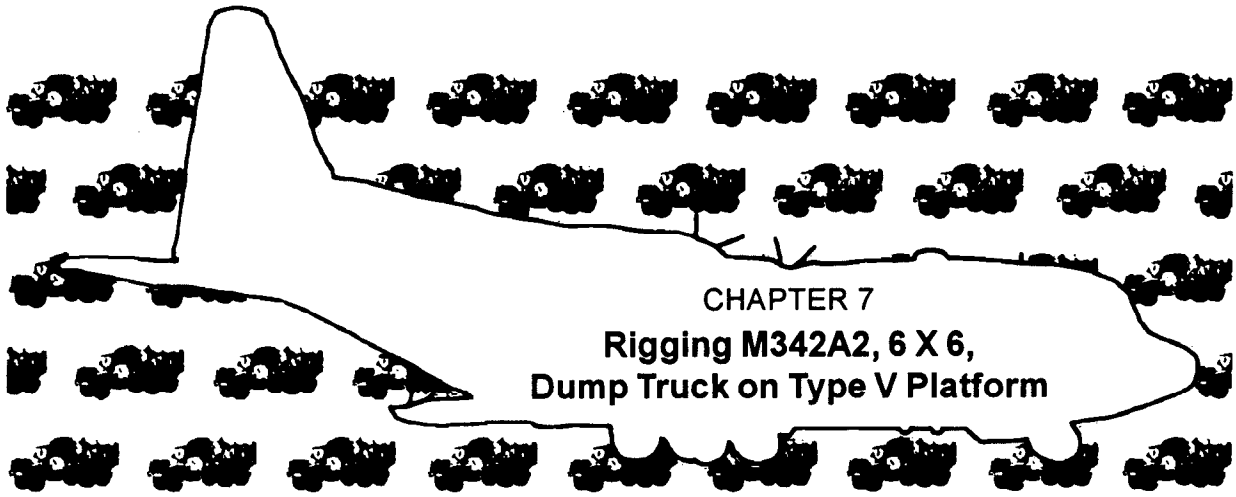


CHAPTER 7
Rigging M342A2, 6 X 6, Dump Truck on Type V Platform

Section I
RIGGING TRUCK FOR A LOW-VELOCITY AIRDROP

7-1. Description of Load

The M342A2, 6 X 6, dump truck (line number X43297) is rigged on a 24-foot, type V platform with four G-11B cargo parachutes. The weight of the truck is 15,260 pounds, reducible to 14,670 pounds. The truck is 265 inches long and 96 inches wide. The truck is 105 inches high, reducible to 80 inches. This load can be airdropped from C-5, C-130 and C-141 aircraft.

7-2. Preparing Platform

Prepare a 24-foot, type V airdrop platform as described below.

a. Inspecting Platform. Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.

b. Installing Suspension Links. Install the suspension links on assembled platforms according to FM 10-500-2/TO 13C7-1-5.

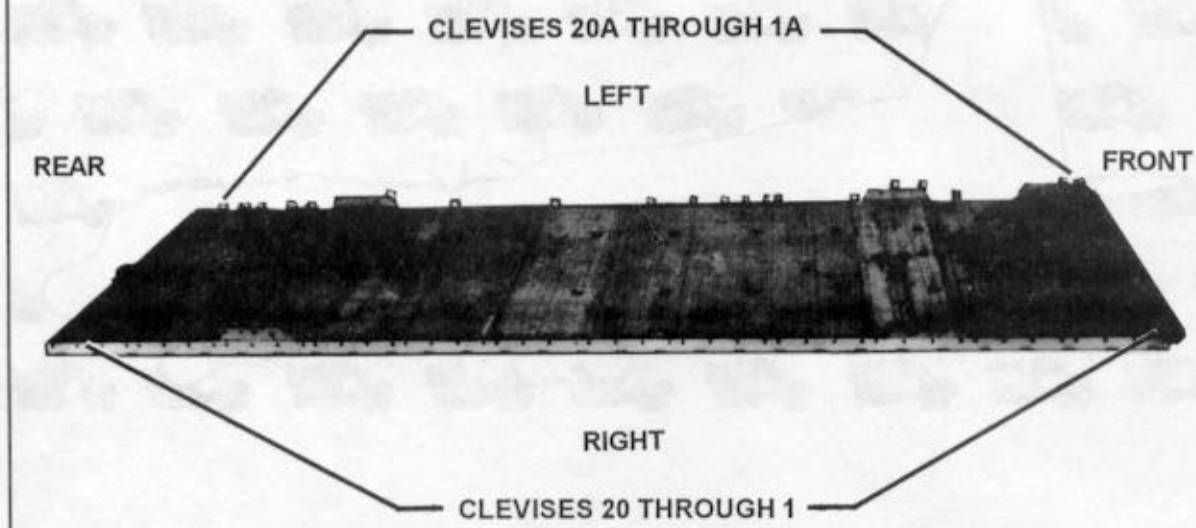
c. Installing Tandem Links. Install a tandem link on the front of each rail as shown in Figure 7-1.

d. Installing and Numbering Clevises. Bolt and number 40 clevis assemblies as shown in Figure 7-1.

NOTES:

1. The nose bumper may or may not be installed.

2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.



Step:

1. Install a suspension link in holes 9, 10, and 11 on each platform side rail. Face the flat parts of the links to the front of the platform.
2. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
3. Install a suspension link in holes 38, 39, and 40 on each platform side rail. Face the flat parts of the links to the rear of the platform.
4. Install clevises on bushings 1 and 2 of each front tandem link.
5. Install clevises on bushings 1 and 3 of each front suspension link.
6. Install a clevis on bushing 1 of each rear suspension link.
7. Starting at the front of each platform side rail, install clevises on the bushings bolted on holes 7, 12, 16, 17, 18, 19, 21, 23, 28, 34, 42, 43, 45, 46 and 47.
8. Starting at the front of the platform, number the clevises bolted to the right side from 1 through 20, and those bolted to the left side from 1A through 20A.
9. Label the tiedown rings according to FM 10-500-2/TO 13C7-1-5.

Figure 7-1. Platform prepared

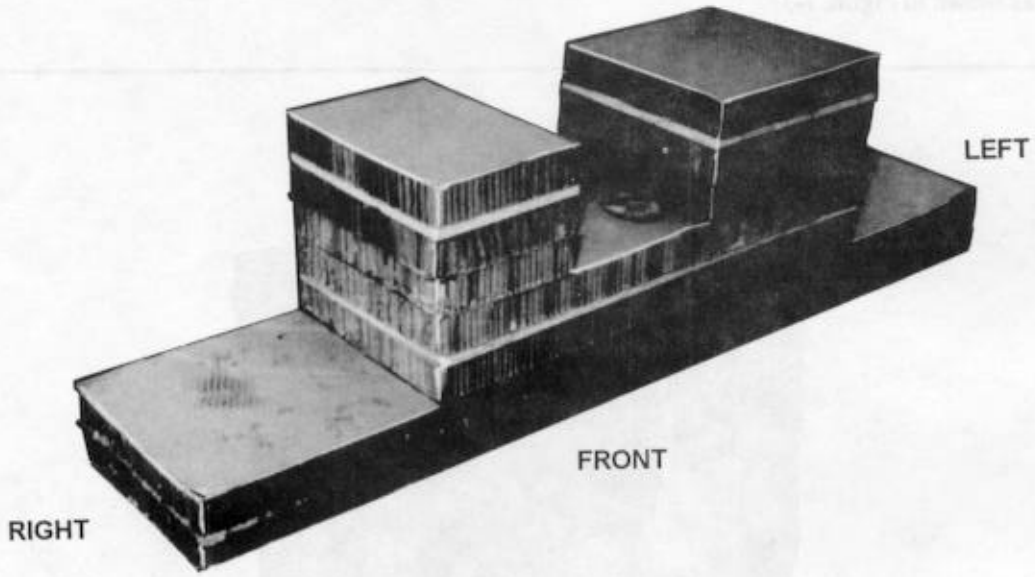
7-3. Preparing and Placing Honeycomb Stacks

Prepare the honeycomb stacks as shown in Figure 7-2. Place the honeycomb stacks on the platform as shown in Figure 7-3.

STACK
1

Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	8	43	18	Honeycomb	Glue flush to form base.
	8	12	18	Honeycomb	Glue four pieces of honeycomb on each side of base stack.
	2	12	18	3/4-inch plywood	Glue plywood flush on each side of stack.
	2	12	18	Honeycomb	Glue flush over plywood on each side.

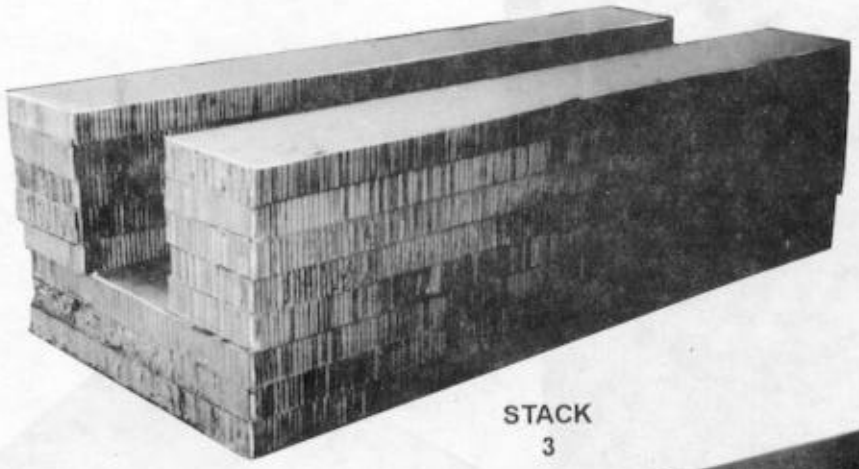
Figure 7-2. Honeycomb stacks prepared



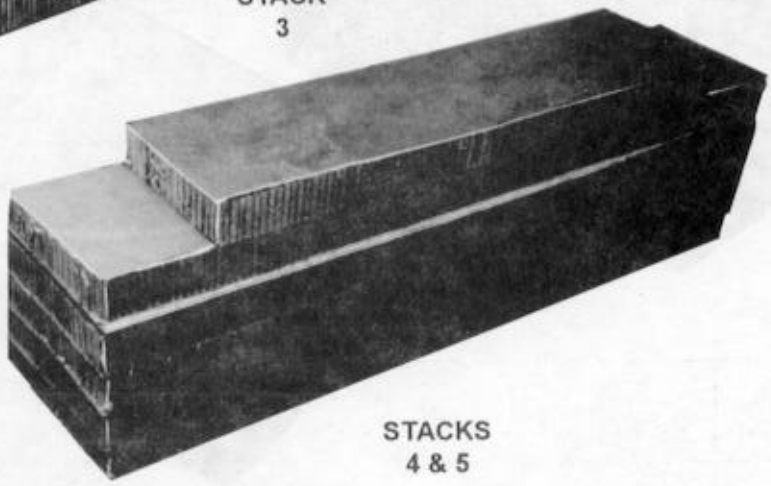
STACK
2

Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
2	2	91	18	Honeycomb	Glue flush to form base.
	1	43	18	Honeycomb	Center on base and glue.
	1	43	18	3/4-inch plywood	Glue flush over center of stack.
	1	43	18	Honeycomb	Glue flush over plywood.
	2	18	12	Honeycomb	Glue flush over right side of 43- by 18-inch honeycomb.
	1	18	12	3/4-inch plywood	Glue over 18- by 12-inch piece of honeycomb.
	1	18	12	Honeycomb	Glue flush on plywood.
	2	18	18	Honeycomb	Glue flush over left side of 43- by 18-inch honecomb.
	1	18	18	3/4-inch plywood	Glue over 18- by 18-inch honeycomb.
	1	18	18	Honeycomb	Glue flush on plywood.

Figure 7-2. Honeycomb stacks prepared (continued)



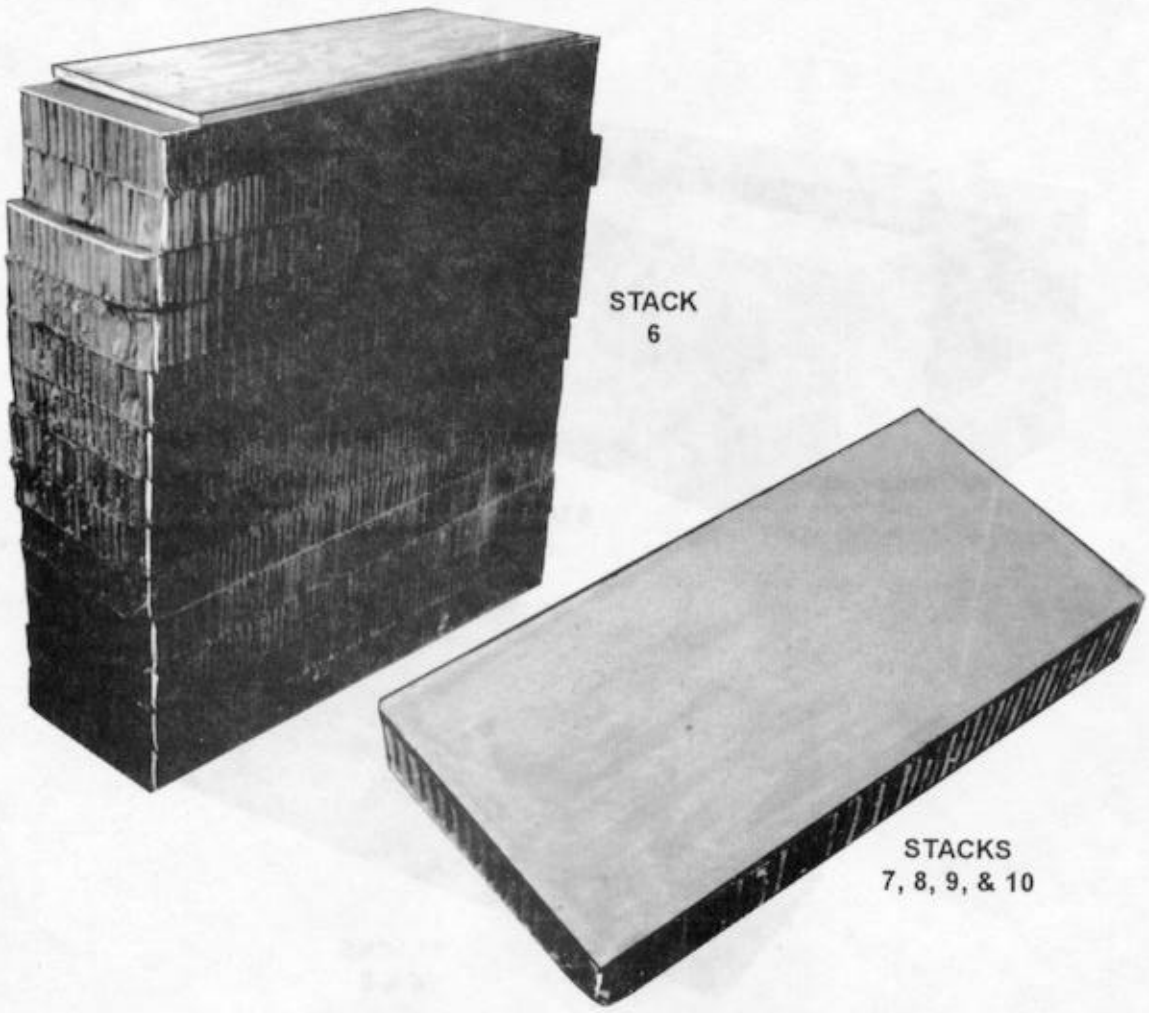
STACK
3



STACKS
4 & 5

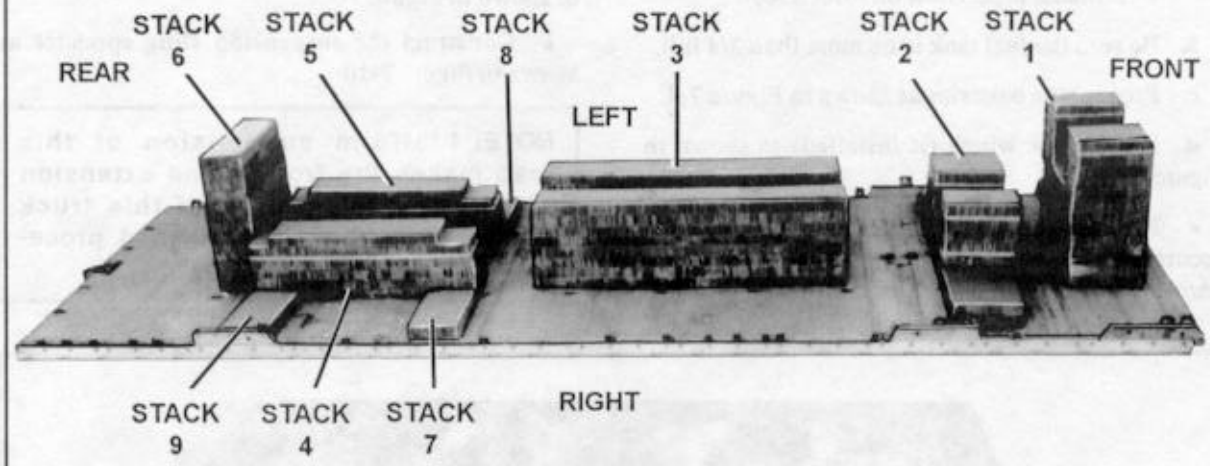
Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3	3	36	82	Honeycomb	Glue flush to form base.
	10	12	82	Honeycomb	Glue five layers of honeycomb flush along each outside edge of base.
4 & 5	4	12	60	Honeycomb	Glue flush to form base.
	1	12	60	3/4-inch plywood	Glue flush on honeycomb.
	1	12	60	Honeycomb	Glue flush over plywood.
	1	12	45	Honeycomb	Center and glue on top layer.

Figure 7-2. Honeycomb stacks prepared (continued)



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
6	11	36	12	Honeycomb	Glue flush to form base.
	2	34	12	Honeycomb	Center and glue on base.
	1	30	12	3/4-inch plywood	Center and glue on top layer.
7	1	24	12	Honeycomb	Stacks 7, 8, 9, and 10 consist of one layer each.
8	1	24	12	Honeycomb	
9	1	24	12	Honeycomb	
10	1	24	12	Honeycomb	

Figure 7-2. Honeycomb stacks prepared (continued)



Stack Number	Position of Stack on Platform
	Place stack:
1	4 inches from front edge of platform and centered.
2	14 inches from stack 1 and centered.
3	23 inches from stack 2 and centered.
4	15 inches from stack 3 and 29 inches from the right rail.
5	15 inches from stack 3 and 29 inches from the left rail.
6	42 inches from rear edge of platform and centered.
7	12-inch side flush with right side of stack 4 and aligned with its front edge.
8	12-inch side flush with left side of stack 5 and aligned with its front edge.
9	12-inch side flush with right side of stack 4 and aligned with its rear edge.
10	12-inch side flush with left side of stack 5 and aligned with its rear edge (not shown).

Figure 7-3. Honeycomb stacks positioned on platform

7-4. Preparing Truck

Prepare the truck as described below.

a. Remove the following components according to TM 9-2320-209-10-1:

- Cab shield
- Cab tarpaulin and end curtain, side roof rails, bows, and pillar posts
- Exhaust pipe. Stow on folded seat.

b. Be sure the fuel tank is no more than 3/4 full.

c. Prepare the batteries as shown in Figure 7-4.

d. Prepare the winch (if installed) as shown in Figure 8-11.

e. Pad and secure the windshield and mirrors, secure the fuel tank, stow truck equipment and prepare the cab area of the truck as shown in Figure 7-5.

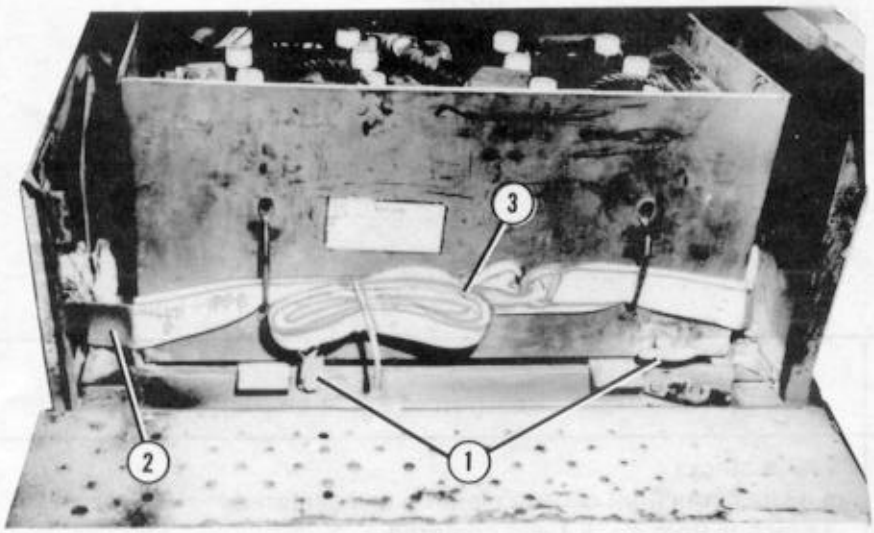
f. Prepare the dump body and endgate as shown in Figure 7-6.

g. Install the engine support lashing as shown in Figure 7-7.

h. Construct the mainframe support as shown in Figures 7-8 and 7-8.1. Install the mainframe support as shown in Figure 7-8.2.

i. Construct the suspension sling spreader as shown in Figure 7-10.

NOTE: Platform suspension of this load makes the front frame extension and body modification of this truck shown in previously published procedures unnecessary.



(1) Make sure that the batteries are held in place by the battery hold-down clamps.

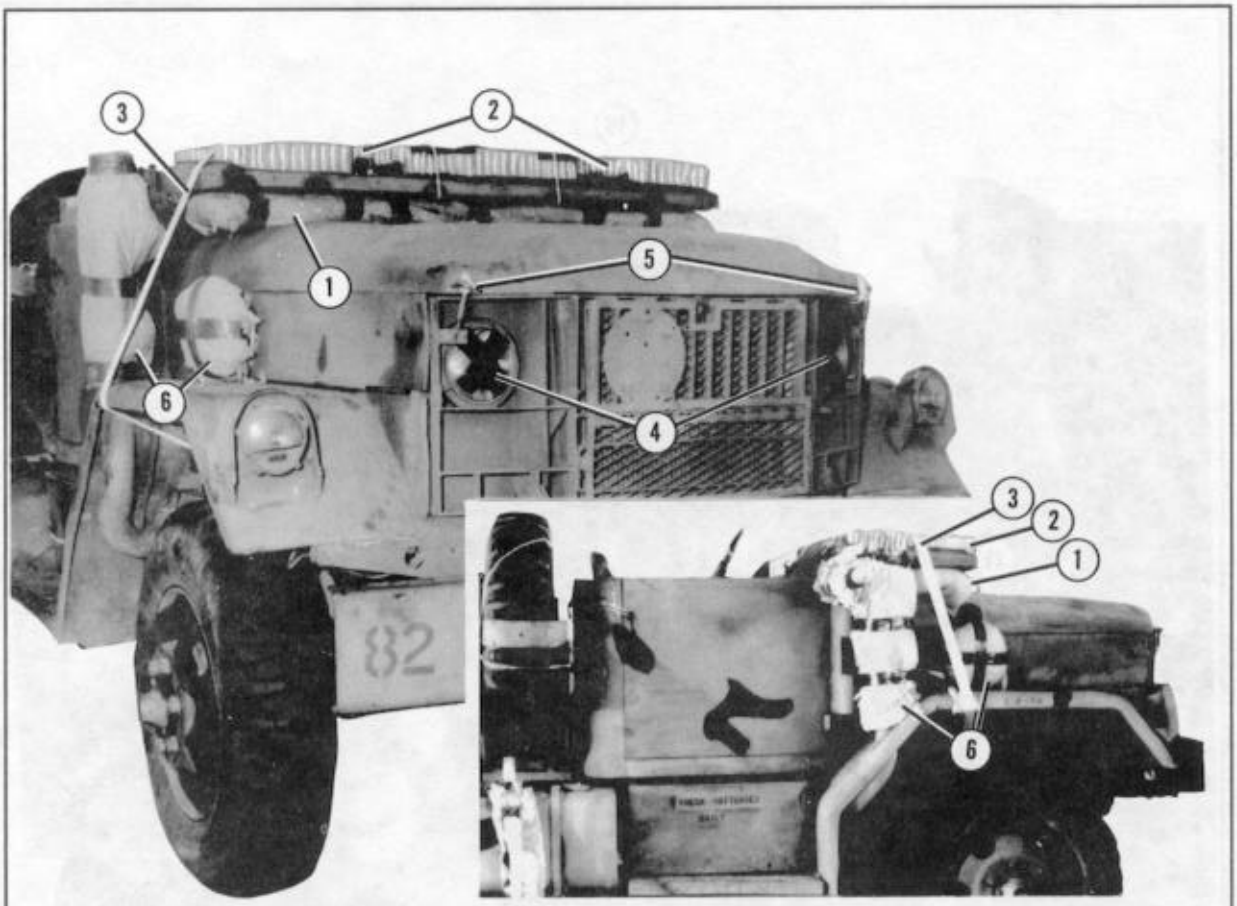
NOTE: The battery hold-down clamp on the right in the photo is shown open.

(2) Pass a 15-foot lashing around the left side brace, through the handles on the front of the battery box, and around the right side brace.

(3) Tie the ends of the lashing together. Fold and tie or tape the excess webbing.

NOTE: Cover the batteries with plastic or nonflammable material.

Figure 7-4. Battery box secured



(1) Wrap a 3/4- by 12- by 60-inch piece of plywood with cellulose wadding, and tape the wadding in place. Place the wrapped plywood on the hood, and fold the windshield down on top of it.

(2) Place a 21- by 61-inch piece of honeycomb with cutouts for the windshield wiper motors on top of the windshield. Secure the honeycomb to convenient places on the truck with two lengths of type III nylon cord. Tape the honeycomb edges where the cord touches.

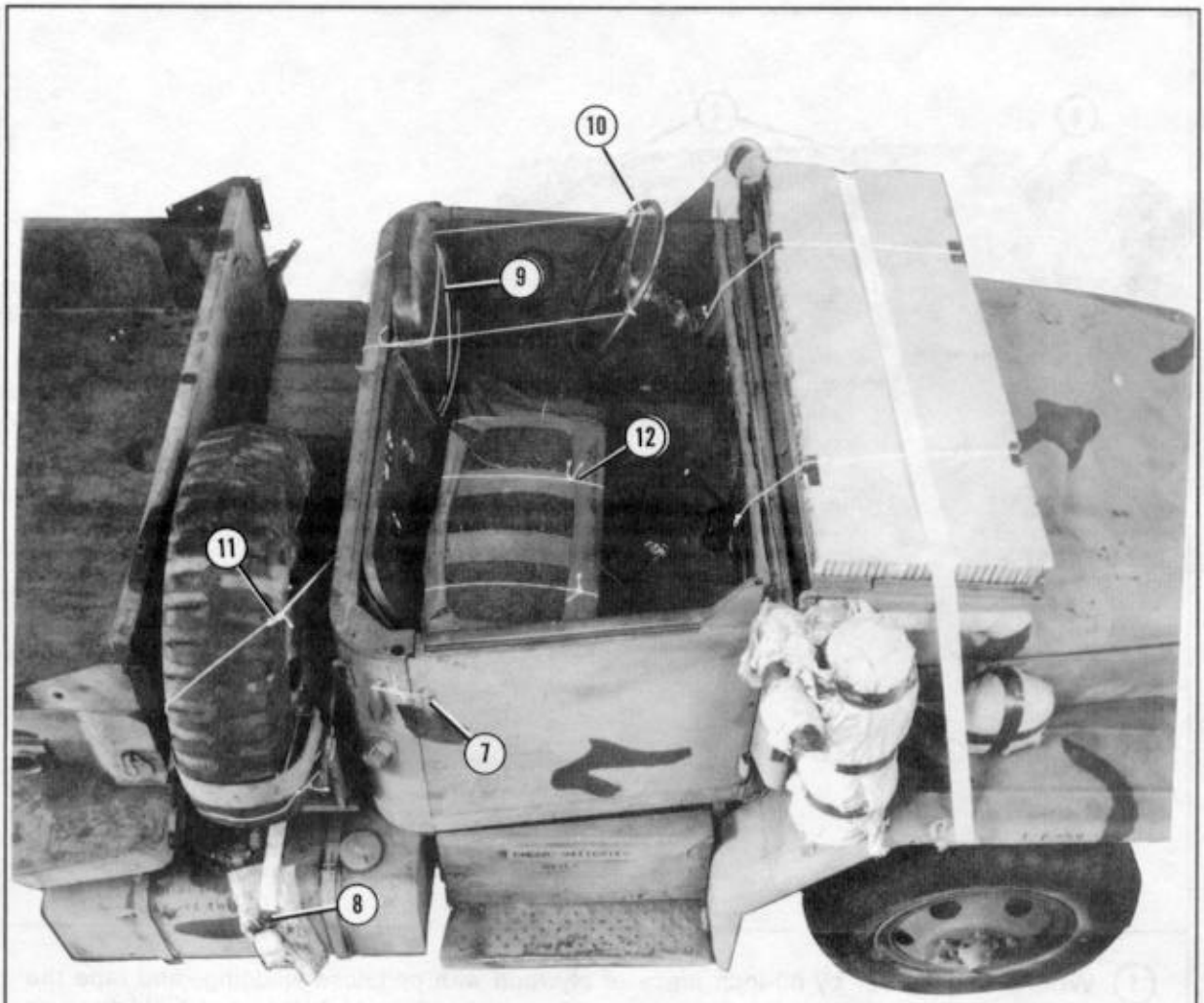
(3) Pass a 15-foot lashing through the tiedown provision directly below the windshield on one side of the mainframe. Pass this lashing through its own D-ring, and over the windshield. Secure the lashing to the mainframe tiedown provision on the opposite side with a D-ring and a load binder.

(4) Tape all lights and reflectors.

(5) Secure the hood latches in place with type III nylon cord.

(6) Pad the breather cover, exhaust stack, and mirror brackets with cellulose wadding taped in place.

Figure 7-5. Front of truck and cab area prepared



(7) Tie the door handles to the hand holds with type III nylon cord.

(8) Pass a 15-foot lashing around the mainframe and the fuel tank. Secure the lashing on the side, and pad under the load binder and all sharp edges.

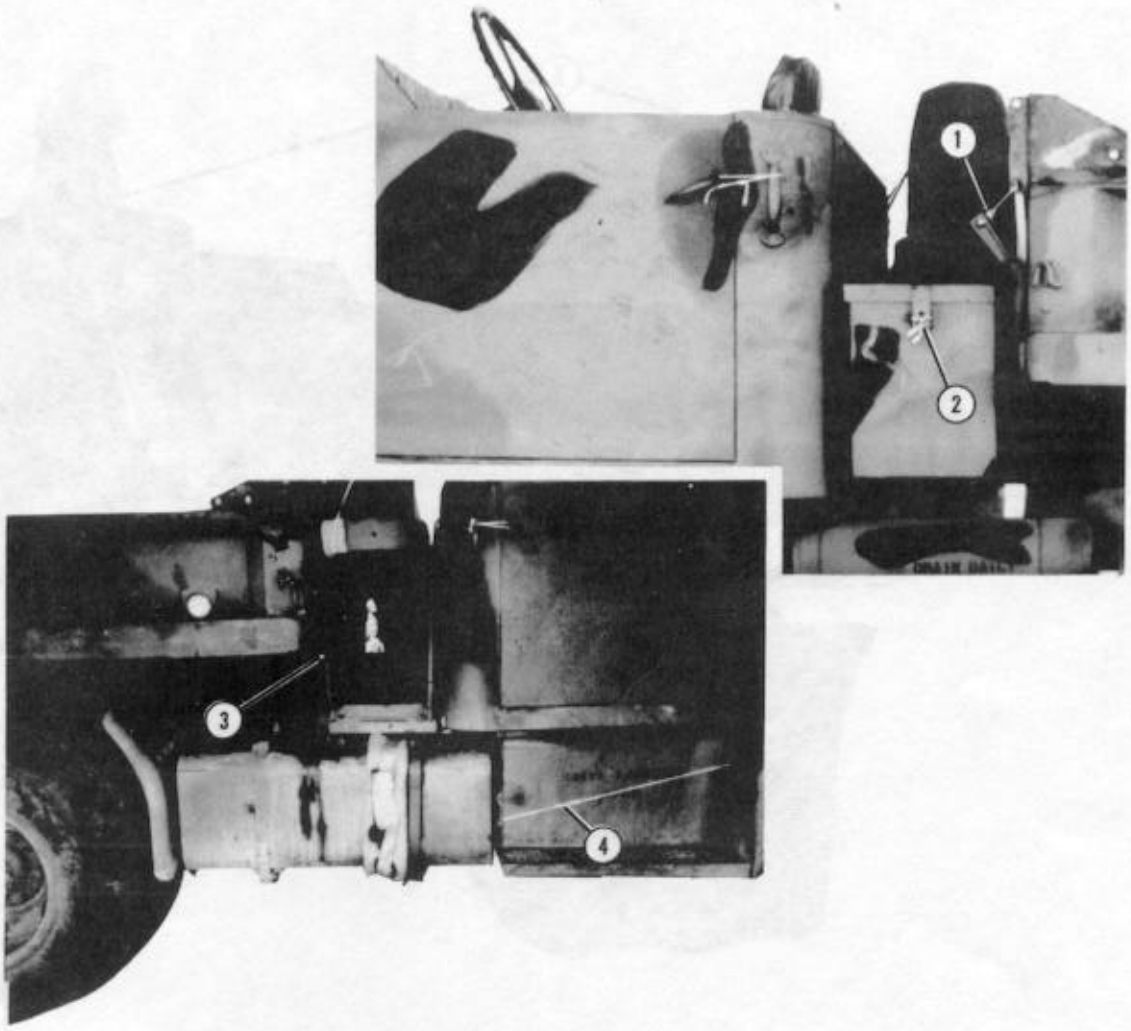
(9) Tie the driver's seat back in place with type III nylon cord.

(10) Tie the steering wheel to the tie-down hooks behind the seat with type III nylon cord.

(11) Secure the spare wheel in its holder with type III nylon cord.

(12) Place the cab tarpaulin and end curtain, roof rails, bows, and pillar posts on the passenger seat. Fold the seat down over the items and tie the seat to its supports with type III nylon cord.

Figure 7-5. Front of truck and cab area prepared (continued)



(1) Tie the endgate hand lever against its stop with type III nylon cord.

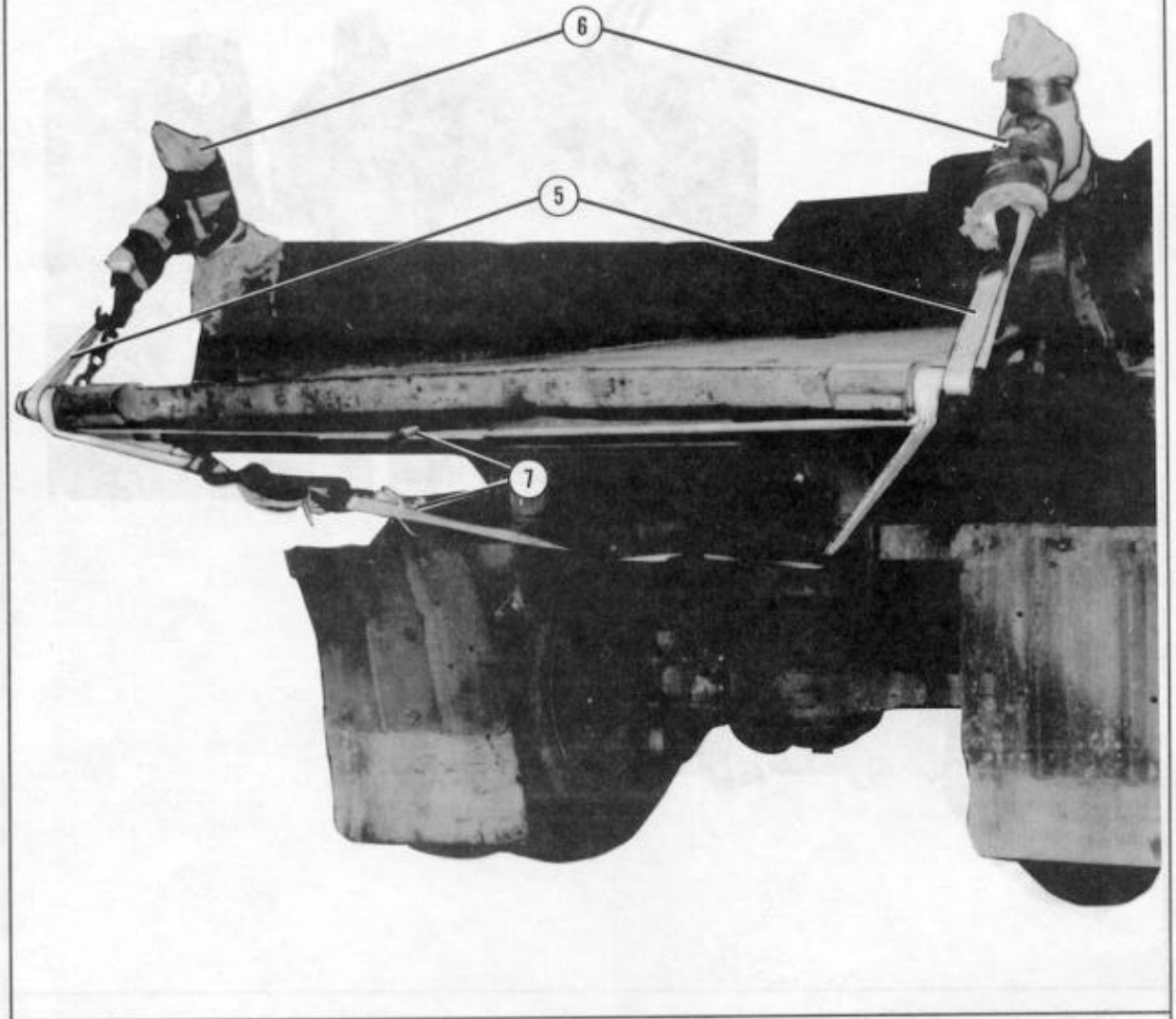
(2) Secure the tool box latch with type III nylon cord.

(3) Secure the dump body to the frame by installing a 3/8- by 2-inch bolt, washer, and nut through the bracket provided on each side of the vehicle.

NOTE: Post a notice to the truck operator in a conspicuous place to warn that these bolts are in place.

(4) Tie the battery access door shut with type III nylon cord.

Figure 7-6. Dump body and endgate secured

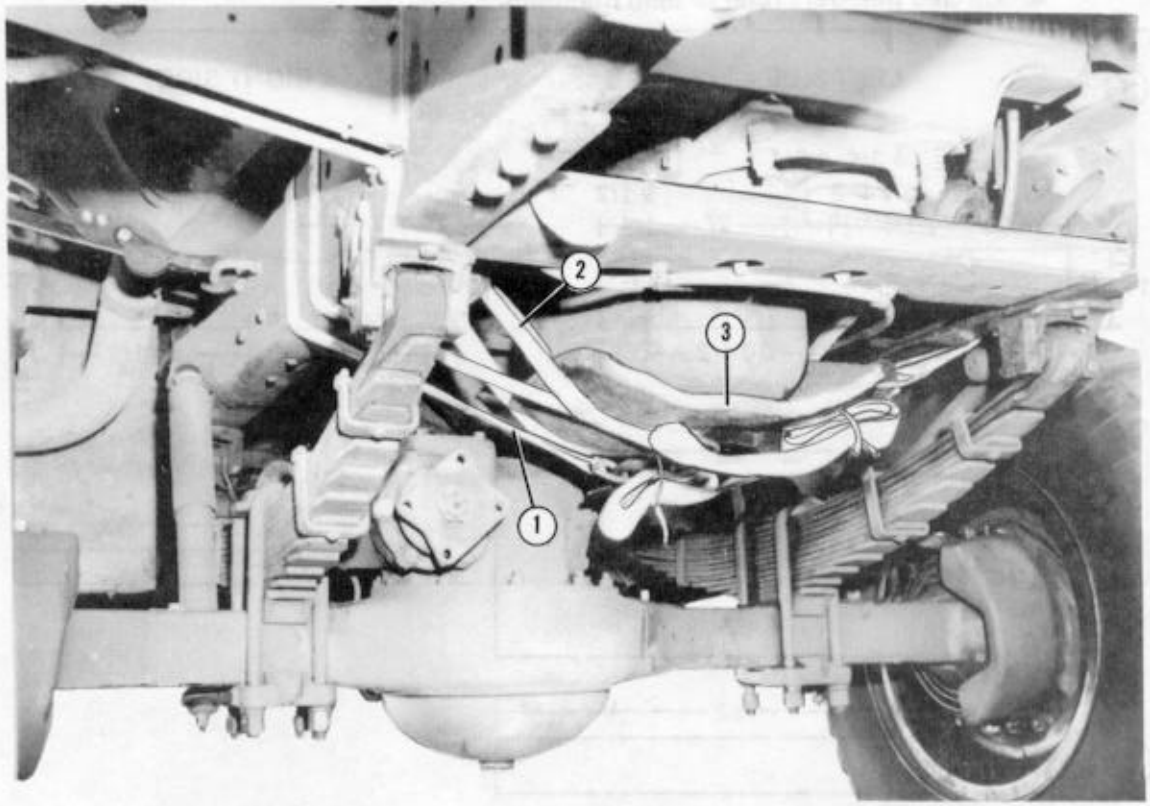


(5) Lower the endgate. Pass a 15-foot lashing around the right latch pin on the endgate, and pass it through the upper latch. Secure the ends with a D-ring and a load binder. Repeat the same procedures for the left side of the endgate.

(6) Pad and tape the upper latches.

(7) Pass a 30-foot lashing around the rear side of the endgate and around the latch pins on each side. Pass one end of the lashing down and through both rear shackles. Secure the ends with two D-rings and a load binder.

Figure 7-6. Dump body and endgate secured (continued)



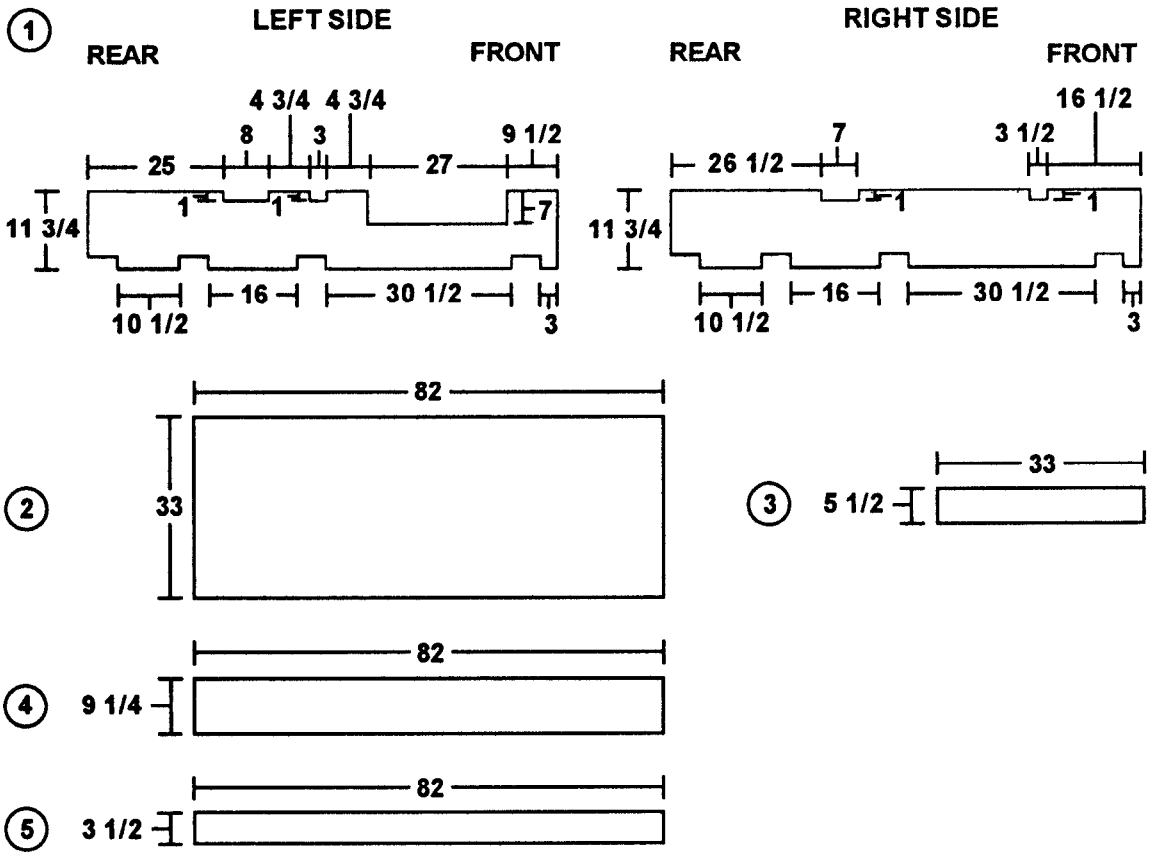
(1) Pass a 15-foot lashing around the left mainframe, under the rear of the oil pan, and around the right mainframe. Secure the lashing loosely.

(2) Pass a 15-foot lashing around the left mainframe, under the front of the oil pan, and around the right mainframe. Secure the lashing loosely.

(3) Place an 18- by 18-inch piece of felt between the oil pan and the lashings to pad the oil pan. Tighten both lashings.

Figure 7-7. Engine support lashings installed

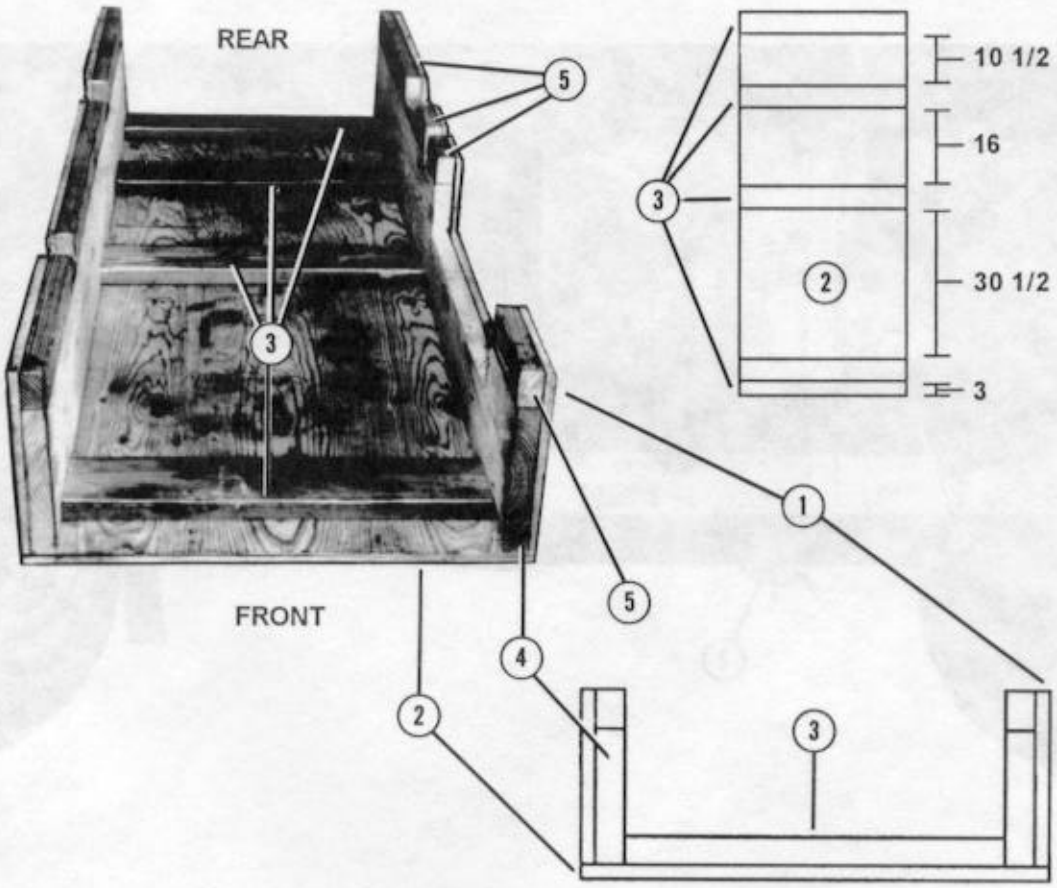
NOTES:
1. These drawings are not drawn to scale.
2. All measurements are given in inches.
3. Lumber classified as 2- by 6-inch lumber is actually 5 1/2 inches wide and 1 1/2 inches thick. Lumber classified as 2- by 10-inch lumber is actually 9 1/4 inches wide and 1 1/2 inches thick. Make the lower cutouts in the sides 5 1/2 inches wide and 1 1/2 inches deep.
4. Circled numbers refer to item numbers.



Item Number	Pieces	Width (Inches)	Length (Inches)	Material
1	2	11 3/4	82	3/4-inch plywood
2	1	33	82	3/4-inch plywood
3	4	5 1/2	33	2- by 6-inch lumber
4	2	9 1/4	82	2- by 10-inch lumber
5	2	3 1/2	82	2- by 4-inch lumber

Figure 7-8. Material and cutouts required for mainframe support

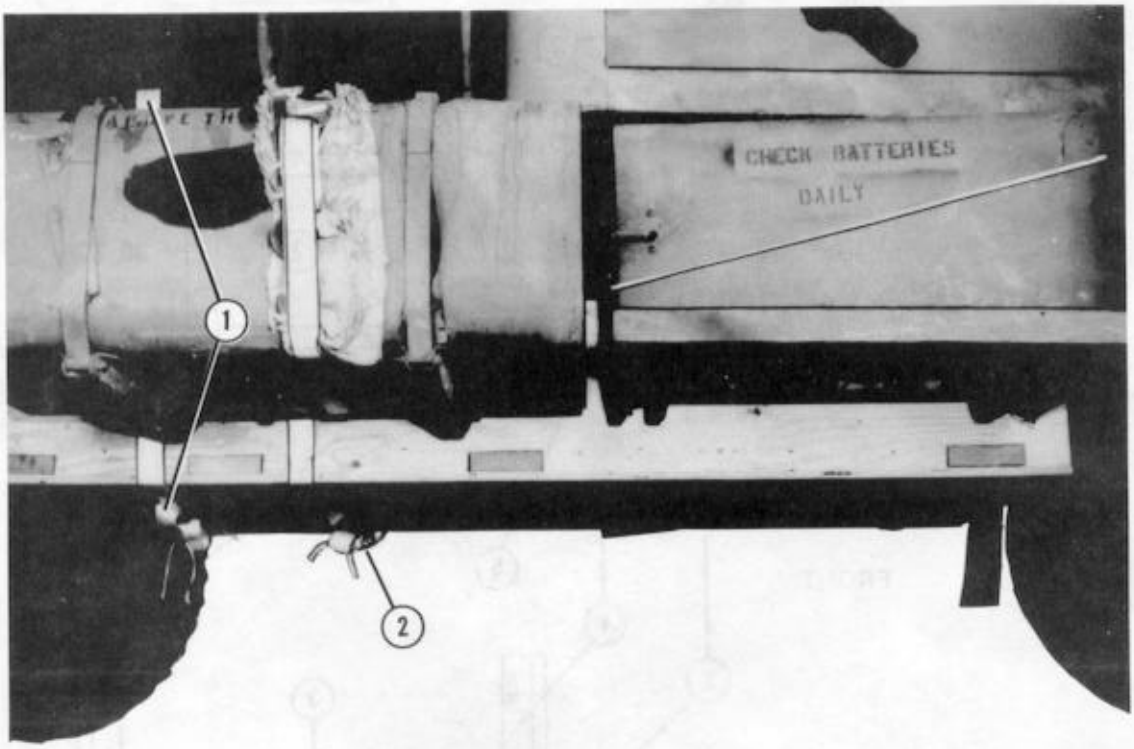
NOTES:
1. This drawing is not drawn to scale.
2. All measurements are given in inches.
3. Use 8d and 12d nails.
4. Circled numbers refer to item numbers on the previous page.



Step:

1. Nail four pieces of 2- by 6- by 33-inch lumber to the base spaced as shown.
2. Nail a 2- by 10- by 82-inch piece of lumber to the inside of each plywood side flush along the bottom edge. Make cutouts flush with those on the plywood.
3. Nail 2- by 4-inch lumber along the top inside edges of the sides, allowing for the cutouts. Cut the lumber off flush with the top edges of the plywood sides, if necessary.
4. Assemble the mainframe support as shown, aligning the bottom side cutouts with the base. Nail through the base.

Figure 7-8.1. Mainframe support constructed

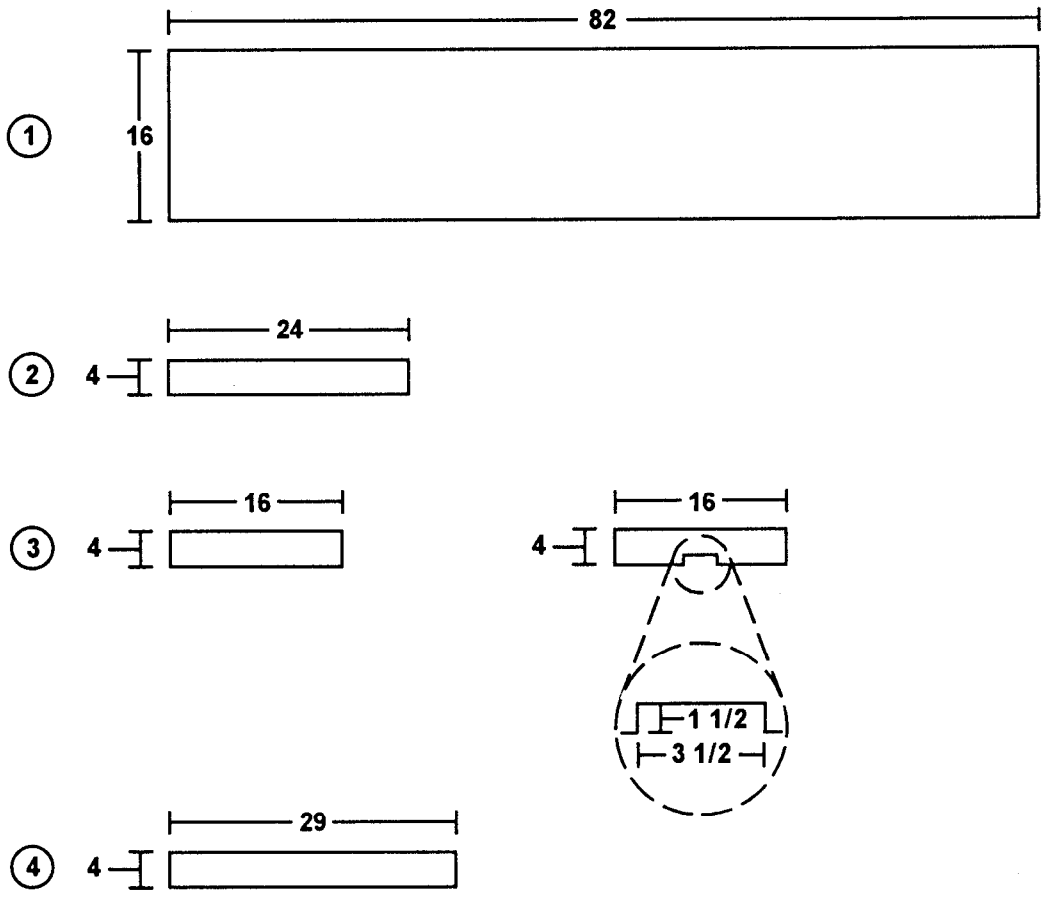


(1) Run a 15-foot tiedown strap over the top of both mainframe rails. Position the mainframe support so that it rests flush with the mainframe. Secure the ends of the tiedown strap with a D-ring and a load binder to hold the support in place.

(2) Run a second 15-foot tiedown strap over the top of both mainframe rails. Secure it around the mainframe support with a D-ring and a load binder.

Figure 7-8.2. Mainframe support installed

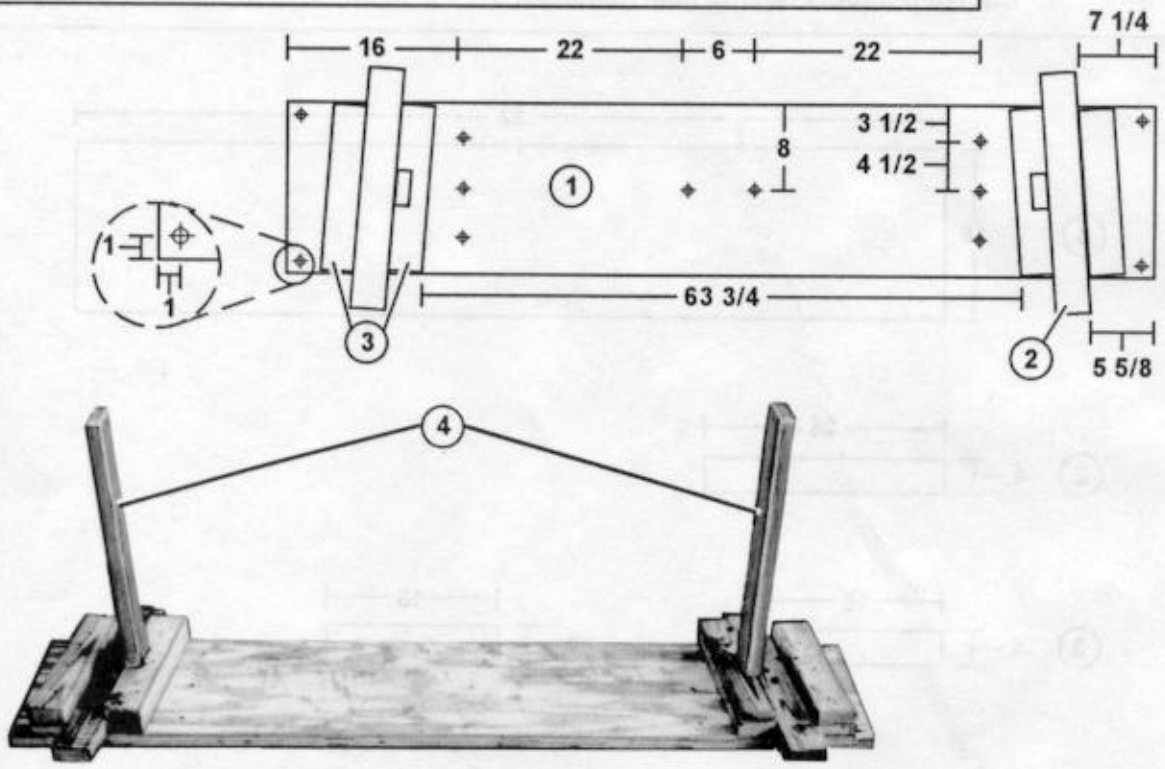
NOTES:
1. These drawings are not drawn to scale.
2. All measurements are given in inches.
3. Lumber classified as 2- by 4-inch lumber is actually 3 1/2 inches wide and 1 1/2 inches thick.
4. Circled numbers refer to item numbers.



Item Number	Pieces	Width (Inches)	Length (Inches)	Material
1	2	16	82	3/4-inch plywood
2	2	4	24	2- by 4-inch lumber
3	8	4	16	2- by 4-inch lumber
4	2	4	29	2- by 4-inch lumber

Figure 7-9. Material and cutouts required for suspension sling spreader

NOTES:
1. This drawing is not drawn to scale.
2. All measurements are given in inches.
3. Use 8d and 12d nails.
4. Circled numbers refer to item numbers on the previous page.



Step:

1. Nail two pieces of 3/4- by 16- by 82-inch plywood flush together.
2. Nail a 2- by 4- by 24-inch piece of lumber centered across each side of the base and angled as shown.

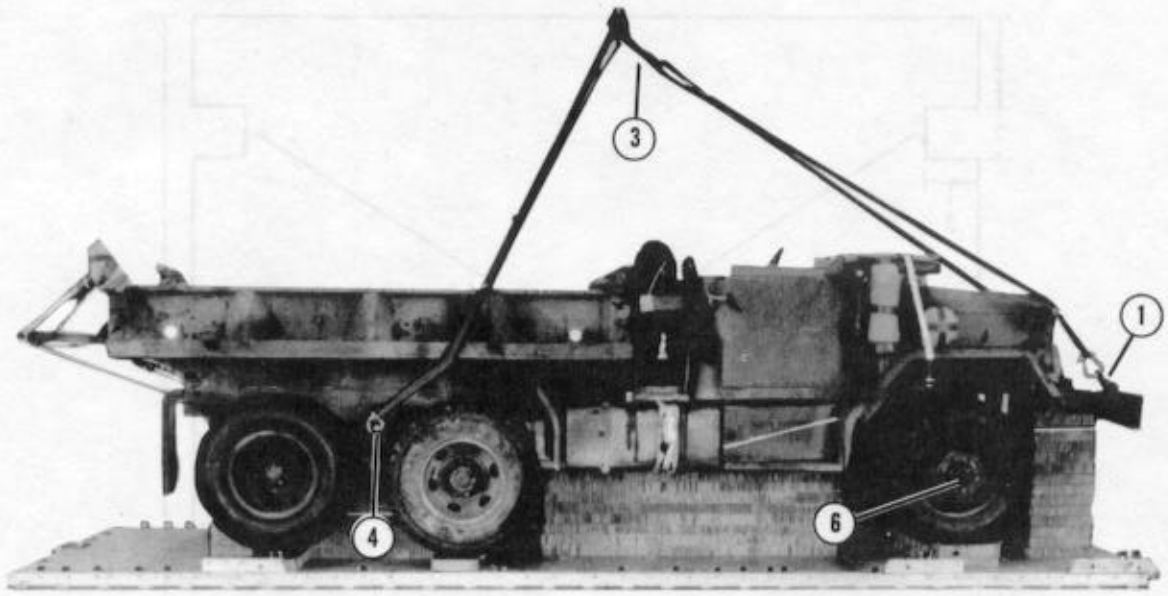
   NOTE: The lumber will rest on the cab doors. Proper spacing can be verified by placing the base and lumber over the cab.
3. Drill 1/2-inch holes spaced as shown. Holes are measured on center.
4. Nail two 2- by 4- by 16-inch pieces of lumber flush to the outside of each of the lumber pieces placed in step 2.
5. Nail two 2- by 4- by 16-inch pieces to the right inside of the lumber placed in step 2 with the cutouts flush together and facing to the outside. Repeat this procedure for the left side.
6. Place a 2- by 4- by 29-inch piece of lumber upright in each of the cutouts, and nail it in place.

Figure 7-10. Suspension sling spreader constructed

7-5. Installing Lifting Slings and Positioning Truck

Install the lifting slings as shown in Figure 7-11.

NOTE: If this truck does not have a winch, or if the bumper extension has not been installed, loop a 3-foot (4-loop), type XXVI nylon webbing sling around each side of the bumper. Install a large clevis assembly in both end loops of each sling, and attach each clevis to a front lifting sling. Safety each 3-foot sling to the shackle to ensure that the slings do not slide off the bumper.



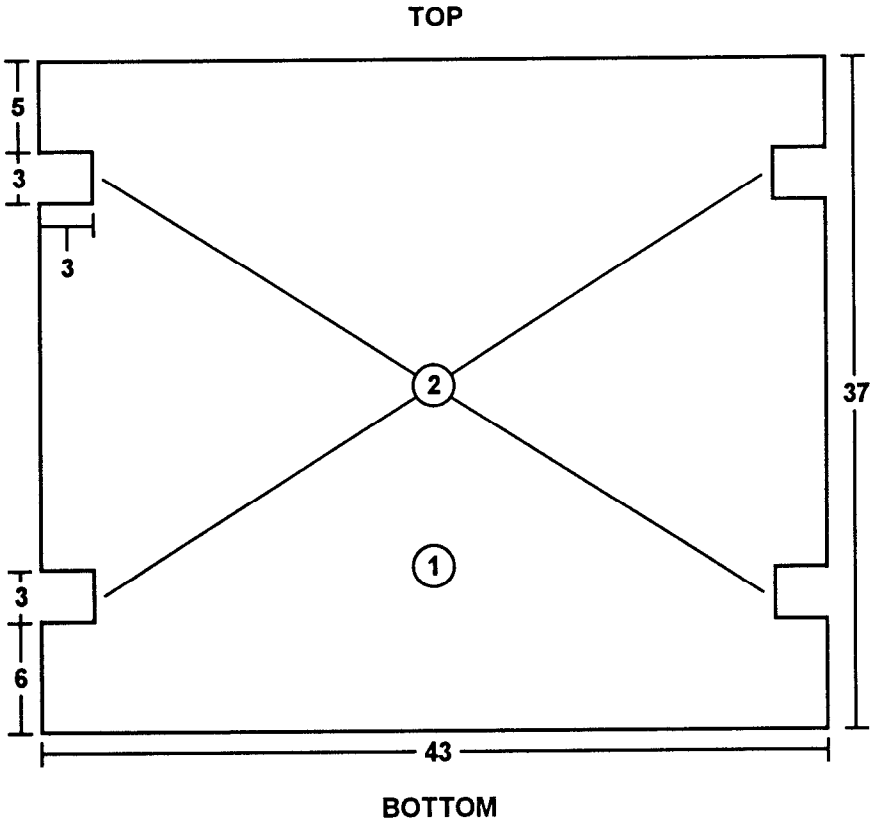
1. Pass a large clevis through the end of a 16-foot (4-loop), type XXVI nylon webbing sling. Bolt the large clevis to the right front lifting shackle bracket.
2. Repeat step 1 for the left front lifting shackle bracket (not shown).
3. Run a 3-foot (4-loop) sling through the the free end loops of both 16-foot slings.
4. Pass a large clevis through the end of a 12-foot (4-loop), type XXVI nylon webbing sling. Bolt the large clevis to the right rear spring lifting provision.
5. Repeat step 4 for the left rear spring lifting provision (not shown).
6. Place the truck on the platform with the front axle centered on honeycomb stack 2.

Figure 7-11. Lifting slings installed and truck positioned

7-6. Building and Positioning Honeycomb Stack Support Endboard

Build and position the honeycomb stack support endboard as shown in Figure 7-12.

NOTES: 1. This drawing is not drawn to scale.
2. All measurements are given in inches.



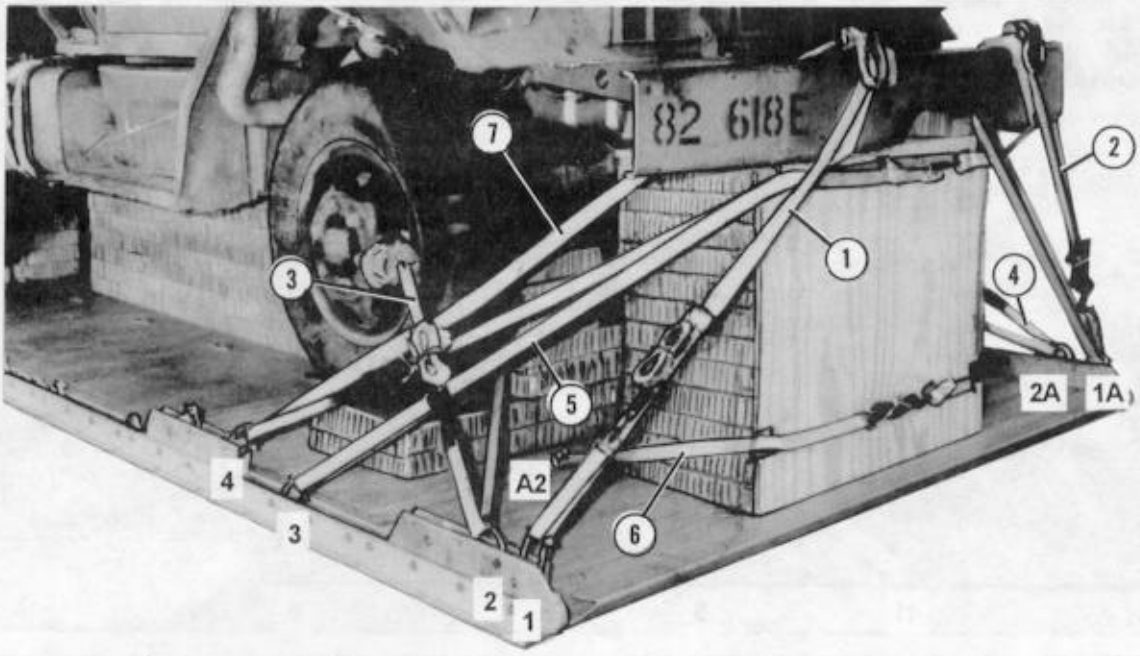
(1) Use a 3/4- by 43- by 37-inch piece of plywood for the honeycomb support endboard.
(2) Make four cutouts 3 inches wide and 3 inches deep, spaced as shown.
(3) Place the honeycomb support endboard flush against the front side of stack 1 (not shown).

Figure 7-12. Honeycomb support endboard built and positioned

7-7. Lashing Truck

Lash the truck to the platform with twenty-six 15-foot tiedown assemblies as shown in Figures 7-13 through 7-15, and according to FM 10-500-2/ TO 13C7-1-5.

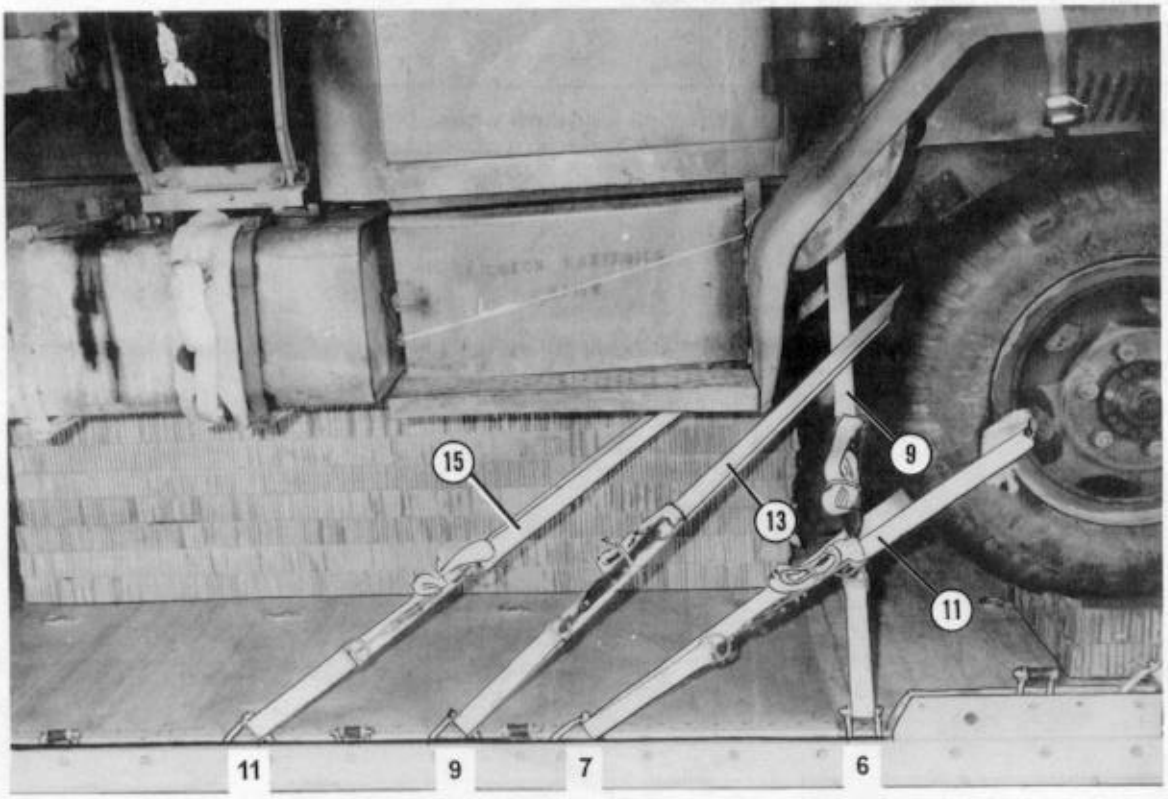
NOTE: Pad wheel openings with cellulose wadding where lashings pass through.



Lashing Number	Tiedown Clevis Number	Instructions
		Pass lashing:
1	1	Around bumper and right mainframe.
2	1A	Around bumper and left mainframe.
3	2	Through right front wheel.
4	2A	Through left front wheel.
*5	3 and 3A	Through clevis 3, through the upper slots in the endboard, through clevis 3A, and back to the front of the endboard.
6	A2 and B2	Through tiedown ring A2, through the lower slots in the endboard, through tiedown ring A1, and back to the front of the endboard.
7	4	Around bumper and shackle bracket.
8	4A	Around bumper and shackle bracket.
*30-foot lashing		

Figure 7-13. Lashings 1 through 8 installed

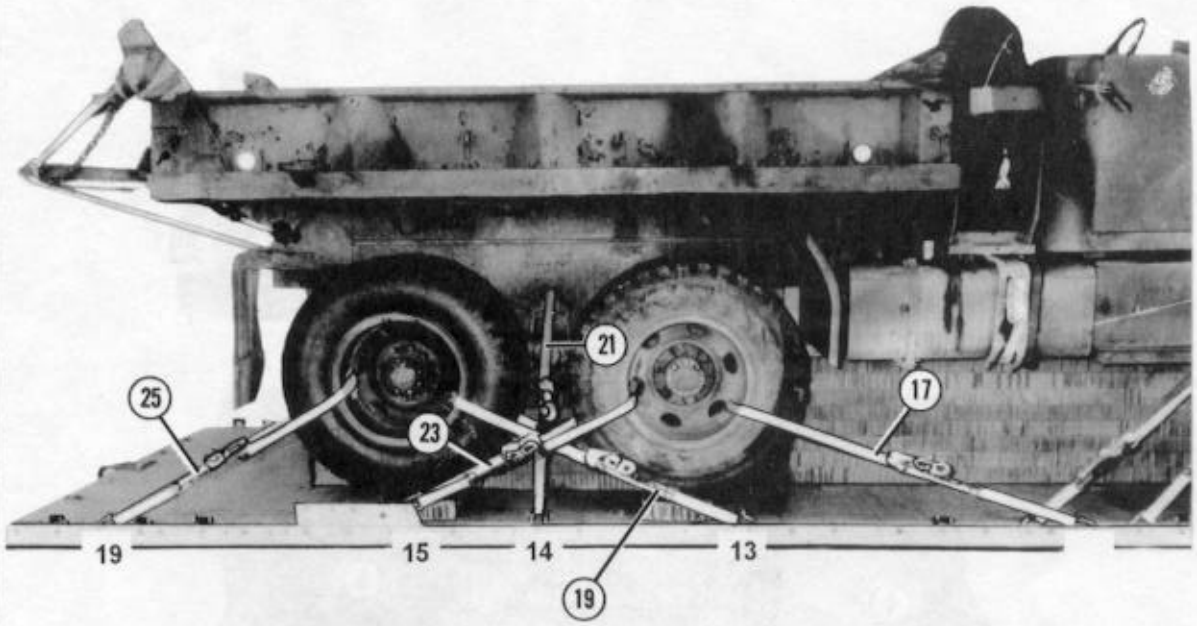
NOTE: Pad wheel openings with cellulose wadding where lashings pass through.



Lashing Number	Tiedown Clevis Number	Instructions
		Pass lashing:
9	6	Through tiedown provision 2, right side.
10	6A	Through tiedown provision 2, left side.
11	7	Through right front wheel.
12	7A	Through left front wheel.
13	9	Through tiedown provision 1, right side.
14	9A	Through tiedown provision 1, left side.
15	11	Around right front spring bracket.
16	11A	Around left front spring bracket.

Figure 7-14. Lashings 9 through 16 installed

NOTE: Pad wheel openings with cellulose wadding where lashings pass through.

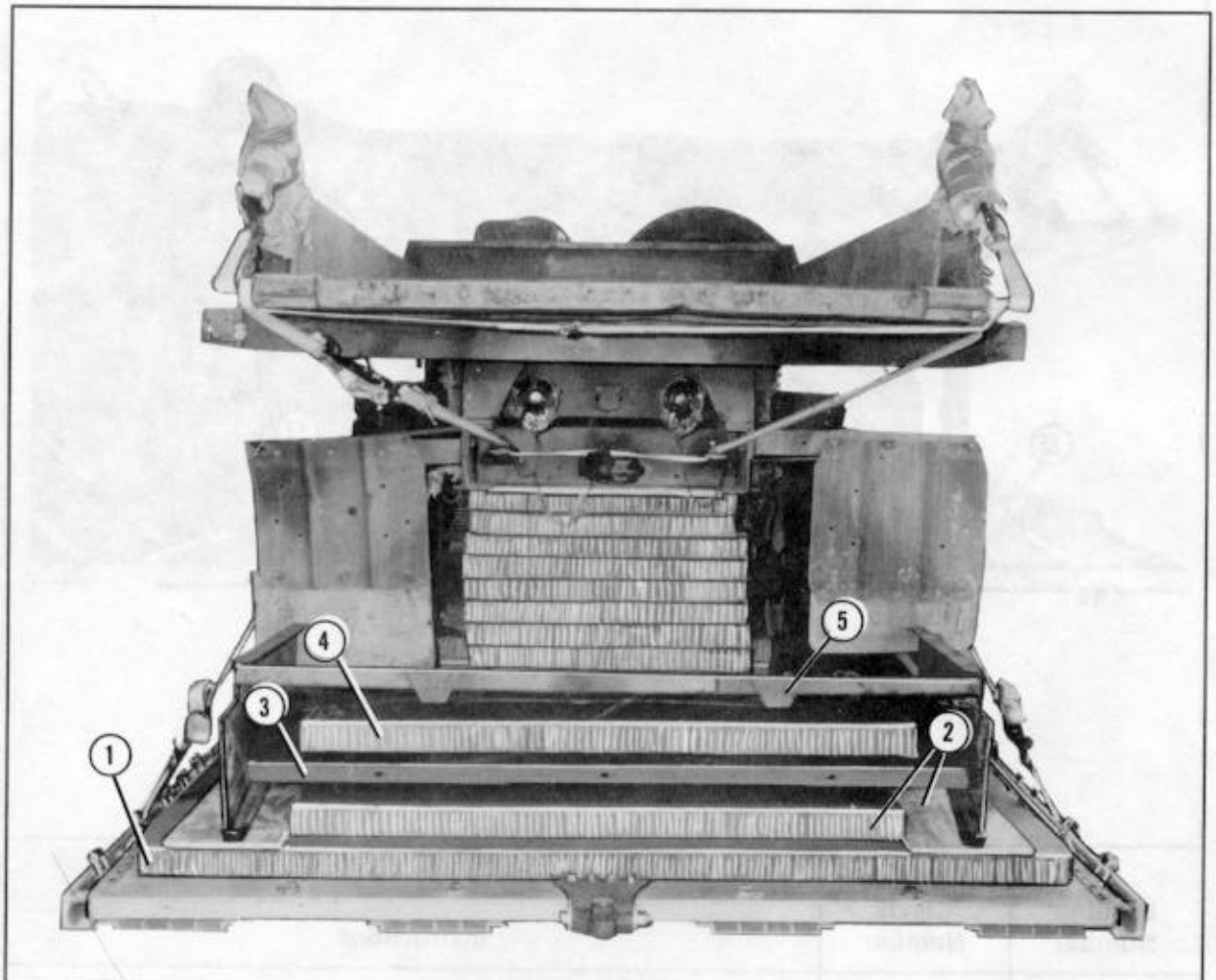


Lashing Number	Tiedown Clevis Number	Instructions
		Pass lashing:
17	10	Through right front outside dual wheel.
18	10A	Through left front outside dual wheel.
19	13	Through right rear outside dual wheel.
20	13A	Through left rear outside dual wheel.
21	14	Through spring saddle, right side.
22	14A	Through spring saddle, left side.
23	15	Through right front outside dual wheel.
24	15A	Through left front outside dual wheel.
25	19	Through right rear outside dual wheel.
26	19A	Through left rear outside dual wheel.

Figure 7-15. Lashings 17 through 26 installed

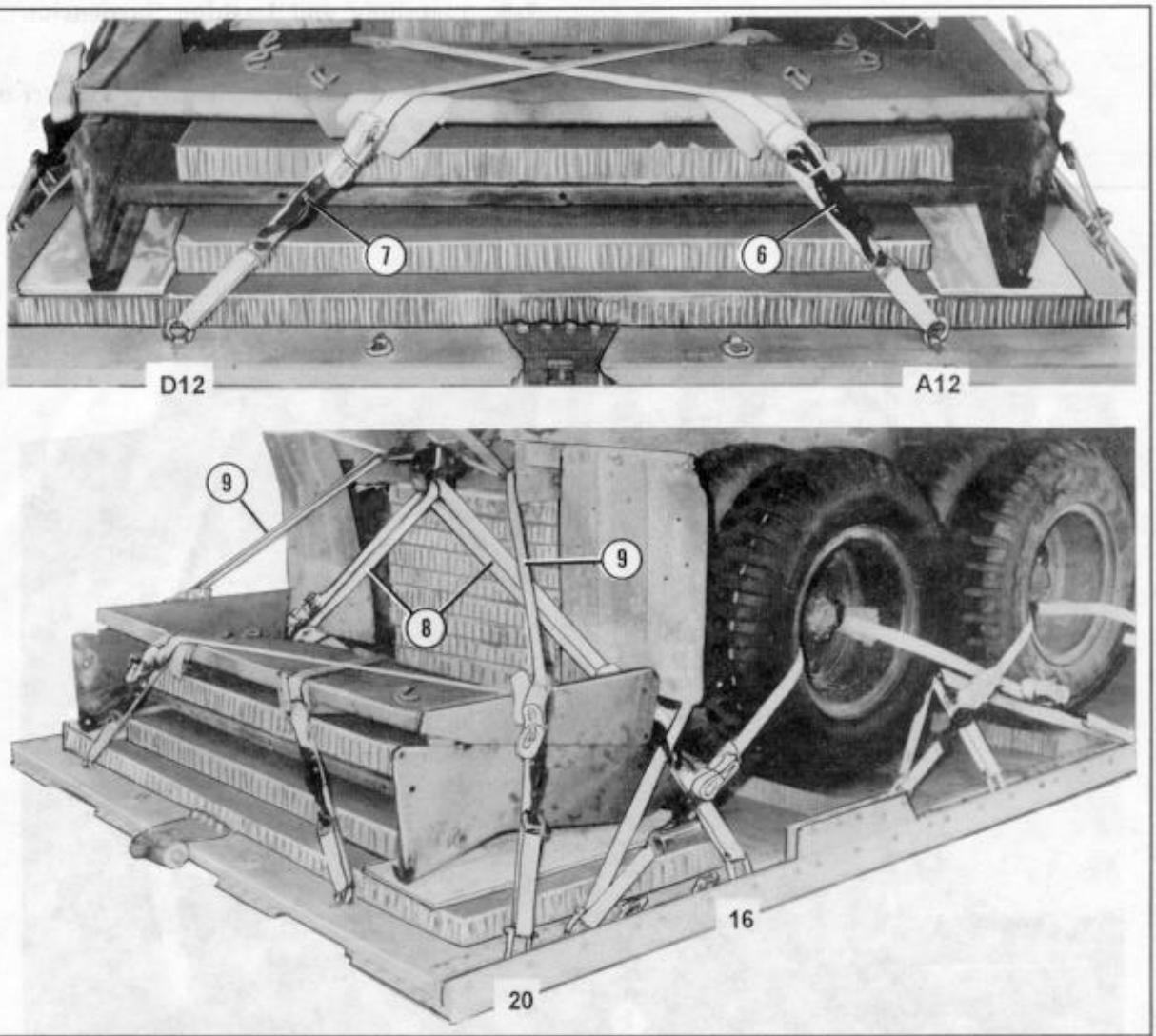
7-8. Stowing Cab Shield on Platform

Stow the cab shield and lash it to the platform as shown in Figure 7-16.



1. Center a 96- by 36-inch piece of honeycomb on the rear of the platform against the extraction bracket.
2. Center a 64- by 20-inch piece of honeycomb on top of the piece placed in step 1 above, 4 inches from the rear edge. Glue a 3/4- by 12- by 36-inch piece of plywood flush on each side of the second layer of honeycomb.
3. Center the base part of the cab shield on top of the plywood and honeycomb.
4. Center a 64- by 19-inch piece of honeycomb over the base part of the cab shield.
5. Place the upper part of the cab shield centered over the honeycomb and the base part.

Figure 7-16. Cab shield stowed and lashed to platform



(6) Pass a 15-foot lashing through tiedown ring A12, over the cab shield and through tiedown ring B11. Pad the front and rear edges of the cab shield with cellulose wadding and secure the lashing with a D-ring and a load binder.

(7) Lash the cab shield to tiedown rings D12 and A11 as in step 1.

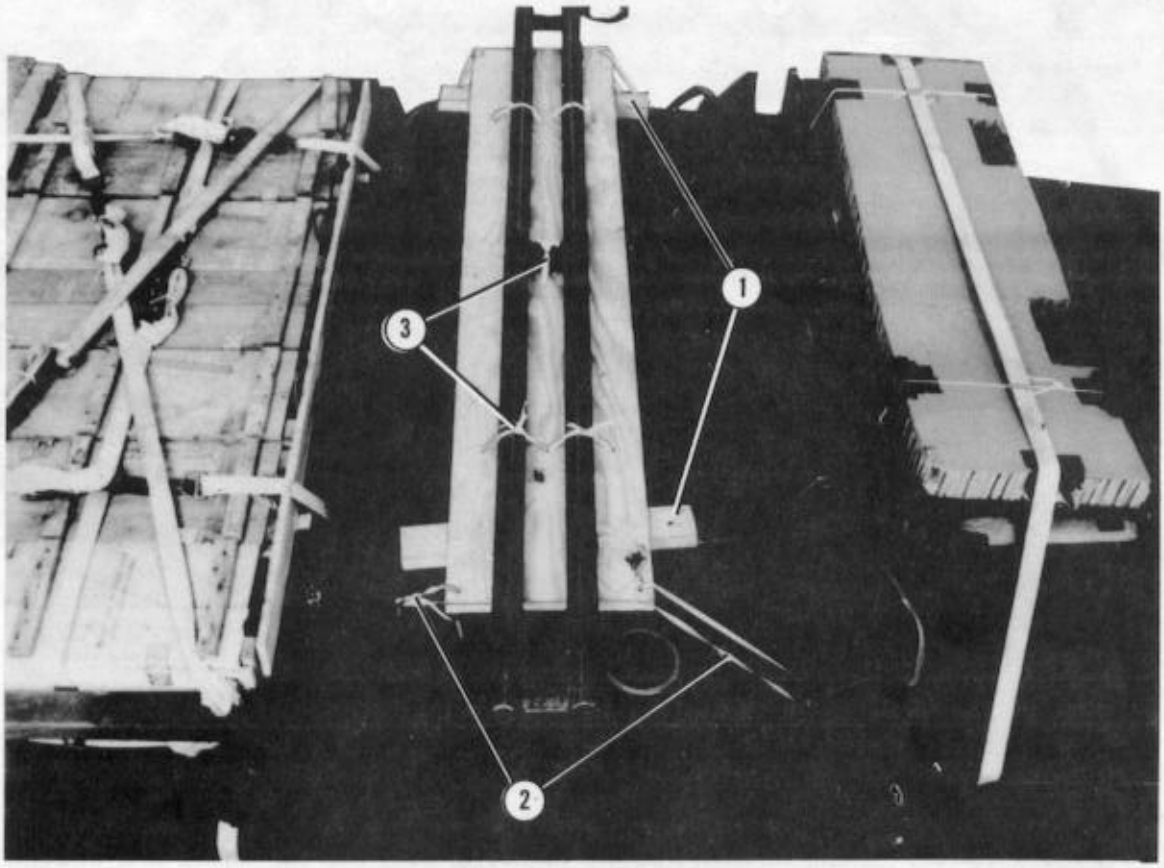
(8) Pass a 15-foot lashing through clevis 16 and through the towing pintle. Pad the lashing where it touches the cab shield and secure the lashing with a D-ring and a load binder. Lash the towing pintle to clevis 16A in the same way. Safety the towing pintle with type I, 1/4-inch cotton webbing.

(9) Pass a 15-foot lashing through clevis 20 and through the right shackle. Pad the lashing where it touches the cab shield and secure the lashing with a D-ring and a load binder. Lash the left shackle to clevis 20A in the same way.

Figure 7-16. Cab shield stowed and lashed to platform (continued)

7-9. Installing and Lashing Suspension Sling Spreader

Install and lash the suspension sling spreader on the truck cab as shown in Figures 7-17 and 7-18.

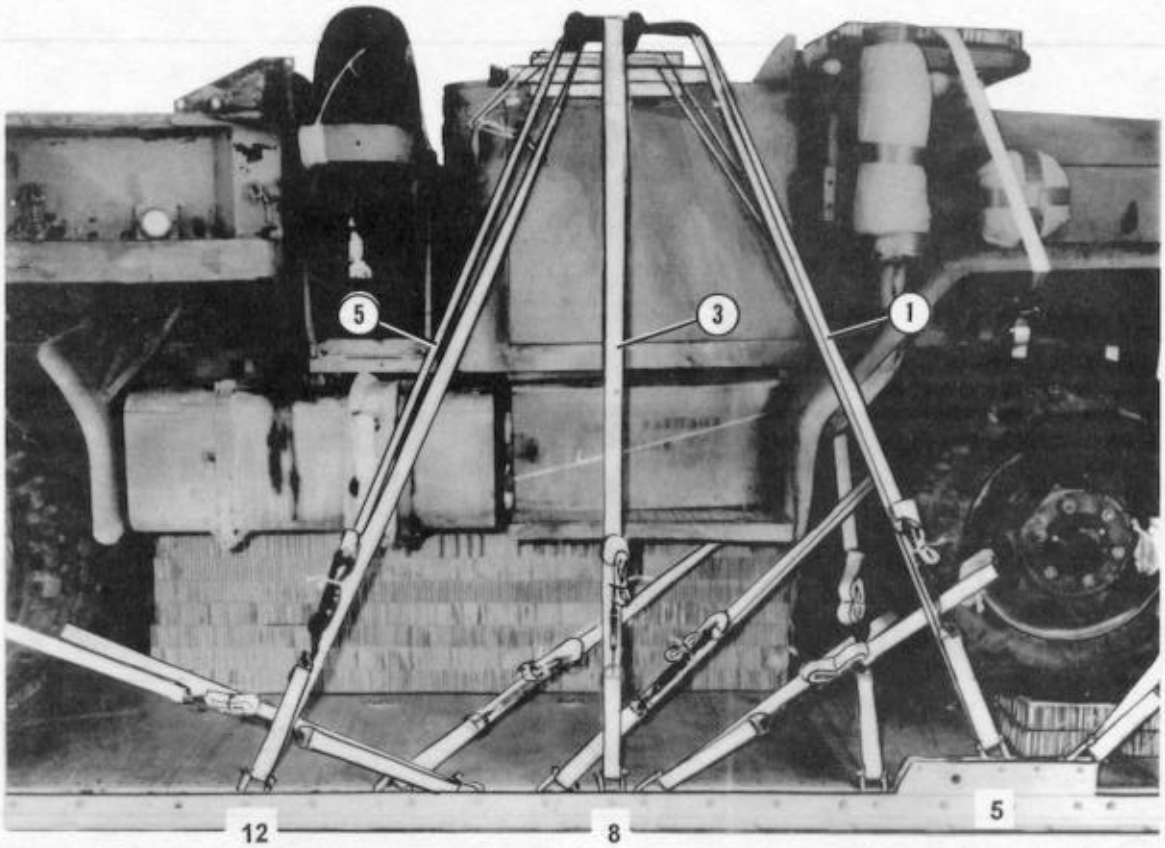


(1) Position the suspension sling spreader across the truck cab so that the lumber parts rest on the cab doors and the legs of the spreader rest on the floor of the cab on each side of the seat.

(2) Tie the spreader to the hand holds and to the mirror brackets through the corner holes with 1/2-inch tubular nylon webbing.

(3) Center an attitude control bar over the plywood with the rings facing the front. Tie the ACB to the spreader assembly with 1/2-inch tubular nylon webbing as shown, using the holes provided.

Figure 7-17. Suspension sling spreader installed

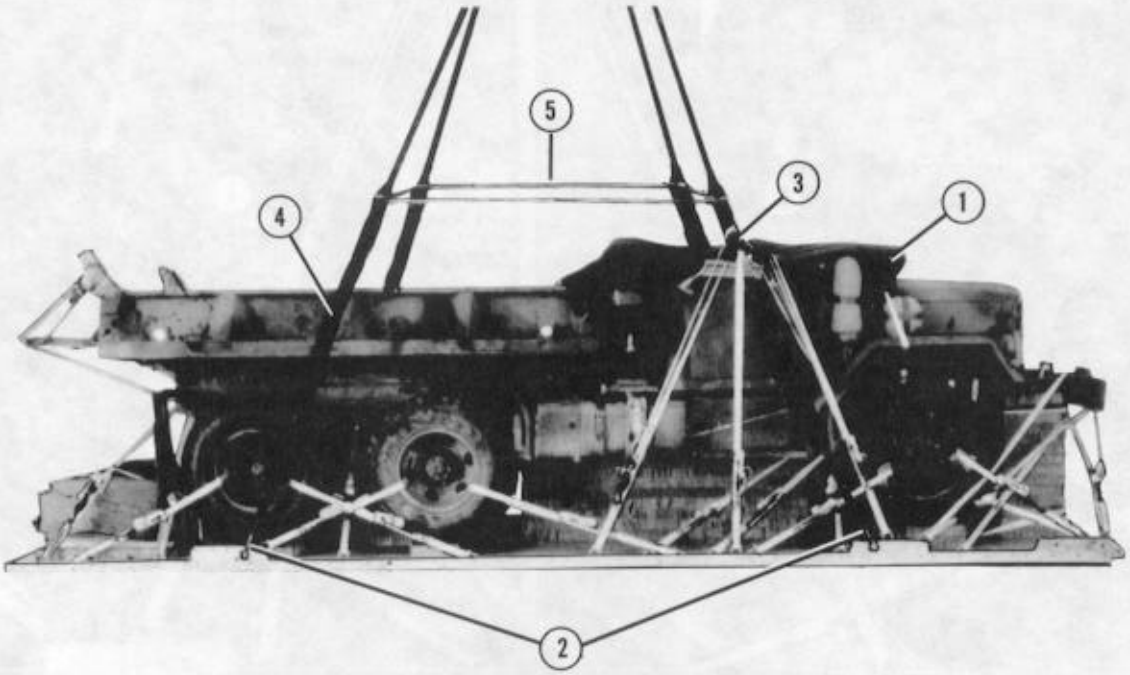


Lashing Number	Tiedown Clevis Number	Instructions
		Run lashing:
1	5	Through the right ring of the ACB.
2	5A	Through the left ring of the ACB.
3	8	Through the right end of the ACB.
4	8A	Through the left end of the ACB.
5	12	Around the top bar of the ACB, right side.
6	12A	Around the top bar of the ACB, left side.

Figure 7-18. Suspension sling spreader lashed

7-10. Installing Load Cover and Suspension Slings

Install the load cover and the suspension slings as shown in Figure 7-19.



(1) Place a 10- by 10-foot piece of cotton duck cloth over the truck from the front of the windshield to the front of the bed of the truck. Secure the cover to convenient points on the truck with type III nylon cord.

(2) Install a 20-foot (4-loop), Type XXVI nylon webbing sling to each suspension link with a large clevis.

(3) Make four suspension sling sleeves with cotton duck cloth. Slide a sleeve onto each of the front slings. Run the slings up through the square holes in the ACB. Position the sleeves so that the suspension slings are protected from metal contact and secure the sleeves at both ends with tape. Pull the slack from the suspension slings and tie the slings to the ACB with a length of 1/2-inch tubular nylon webbing.

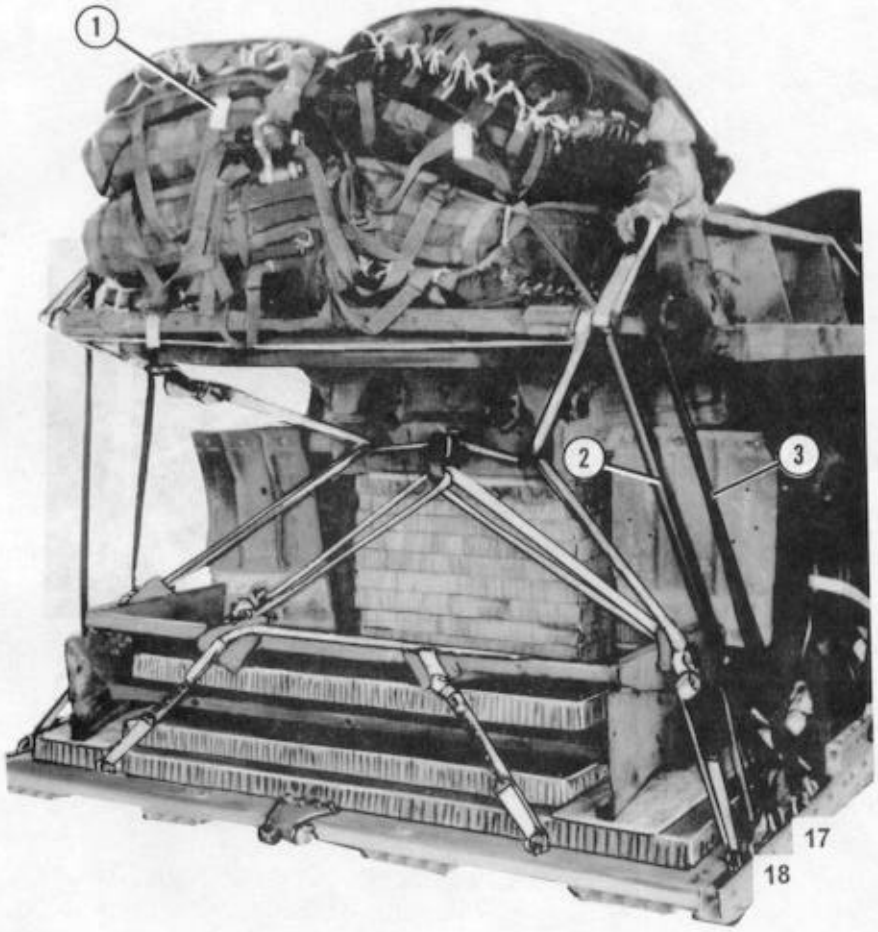
(4) Pad each rear suspension sling with felt. Extend the felt 12 inches above the top and bottom of the dump body. Tape the felt in place.

(5) Raise the slings upward until they are taut. Install the deadman's tie as outlined in FM 10-500-2/TO 13C7-1-5.

Figure 7-19. Load cover and suspension slings installed

7-11. Installing Cargo Parachutes

Prepare and install four G-11B cargo parachutes according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 7-20.

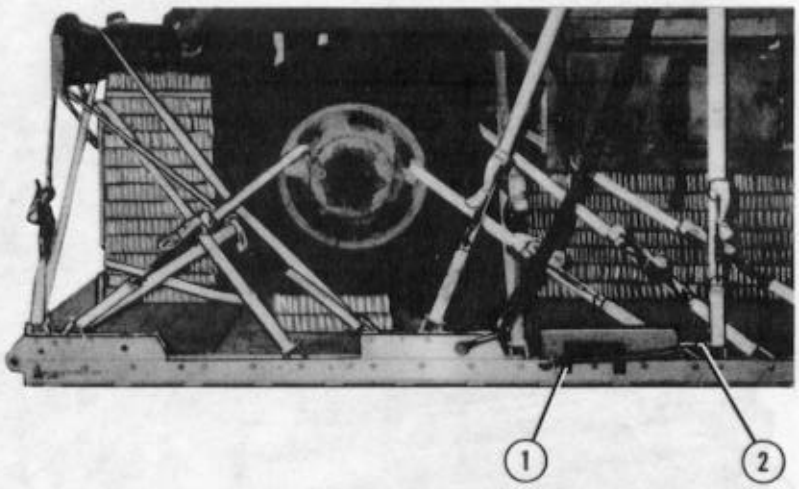


(1) Prepare and cluster four G-11B cargo parachutes on the endgate and bed of the truck.
(2) Tie the rear parachute restraint strap to clevises 18 and 18A.
(3) Tie the front parachute restraint strap to clevises 17 and 17A.

Figure 7-20. Cargo parachutes installed

7-12. Preparing and Installing Extraction System

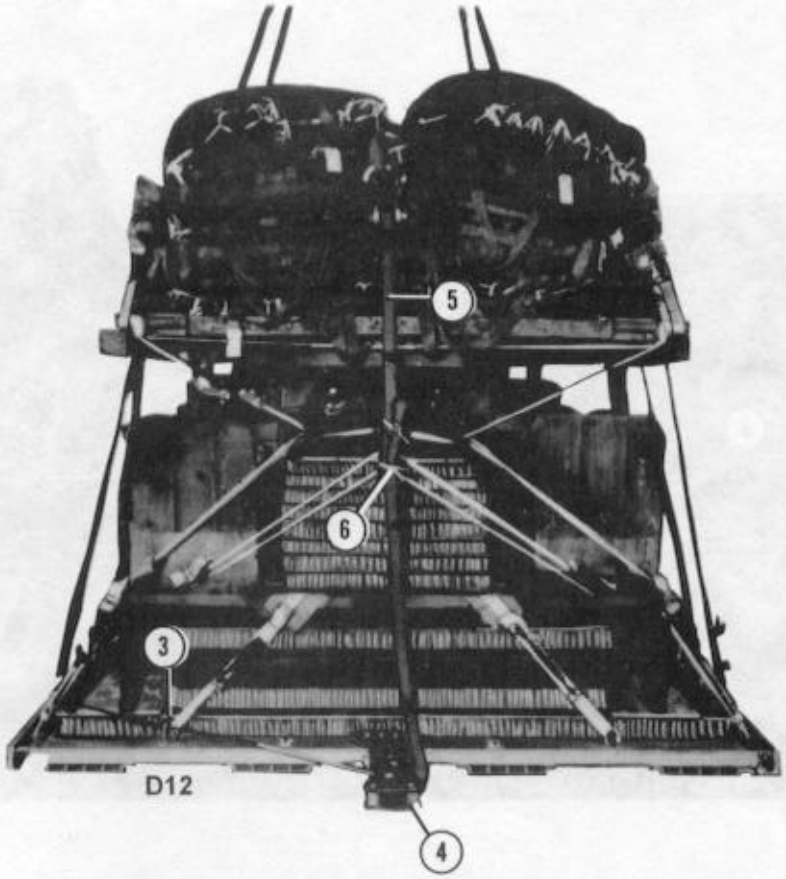
Prepare and install the EFTC extraction system according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 7-21.



(1) Install the mounting brackets to the rear mounting holes in the left platform rail. Install the actuator to the brackets according to FM 10-500-2/TO 13C7-1-5.

(2) Attach a 24-foot cable to the actuator. Safety tie it to clevises on the inside of the platform with type I, 1/4-inch cotton webbing.

Figure 7-21. Extraction system installed



(3) Safety the cable to tiedown ring D12, with type I,1/4-inch cotton webbing.

(4) Install the latch assembly to the extraction bracket according to FM 10-500-2/ TO 13C7-1-5, and attach the cable.

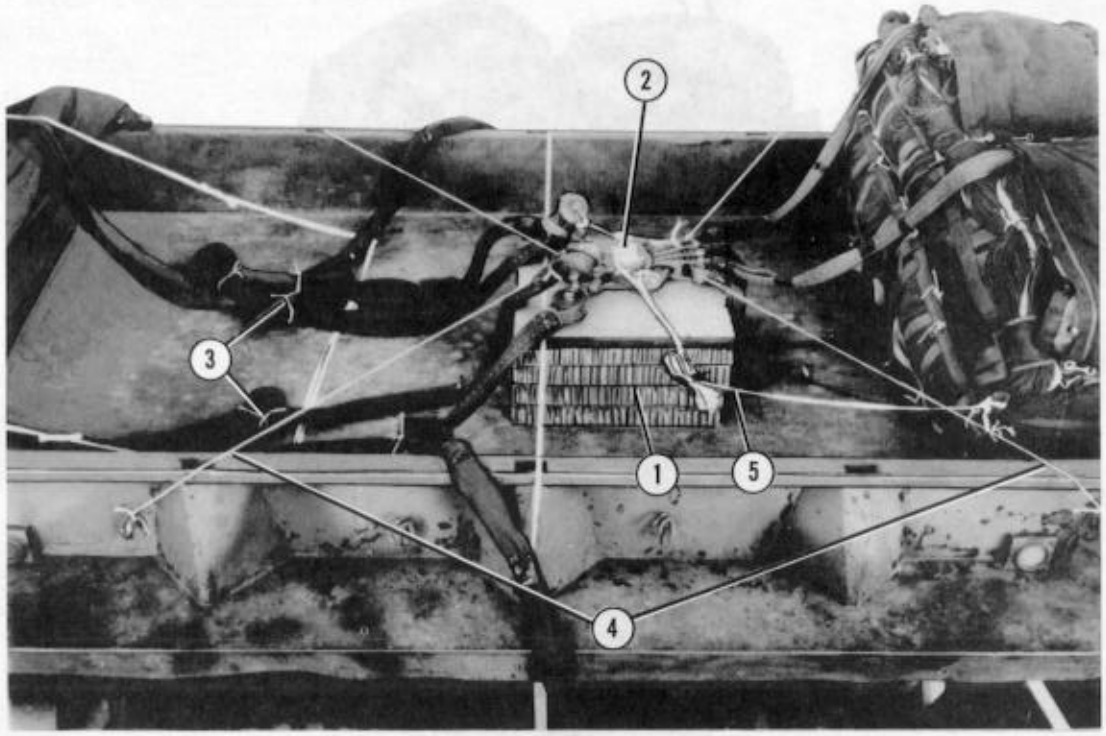
(5) Attach a 9-foot (2-loop), type XXVI nylon webbing sling as a deployment line to the load.

(6) Fold the excess deployment line. Secure the folds in place with type I, 1/4-inch cotton webbing.

Figure 7-21. Extraction system installed (continued)

7-13. Installing Release System

Prepare and install an M-2 cargo parachute release according to FM 10-500-2/TO 13C7-1-5, and as shown in Figure 7-22.



(1) Glue four 24- by 24-inch pieces of honeycomb together and to the dump bed, 20 inches from the parachutes. Tape the sides of the top layer.

(2) Position the M-2 release on top of the honeycomb stack, and attach the parachute riser extensions and suspension slings.

(3) Fold the excess suspension slings and riser extensions, and tie the folds with type I, 1 1/4- inch cotton webbing. Safety the suspension sling keepers to the spools of the release as outlined in FM 10-500-2/TO 13C7-1-5.

(4) Safety the release to convenient points on the load with type III nylon cord.

(5) Install the arming lanyard according to FM 10-500-2/TO 13C7-1-5.

Figure 7-22. M-2 release installed and safetied

7-14. Installing Provisions for Emergency Restraints

Install provisions for emergency restraints according to FM 10-500-2/TO 13C7-1-5.

7-15. Placing Extraction Parachute

Place the extraction parachute as described below.

a. C-130 Aircraft. Place a 28-foot cargo extraction parachute, a 5 1/2-inch, two-point link, and a 60-foot (3-loop), type XXVI nylon webbing extraction line on the load for installation in the aircraft.

b. C-141 Aircraft. Place a 28-foot cargo extraction parachute, a 5 1/2-inch, two-point link, and a continuous 140-foot (3-loop), type XXVI nylon webbing extraction line on the load for installation in the aircraft.

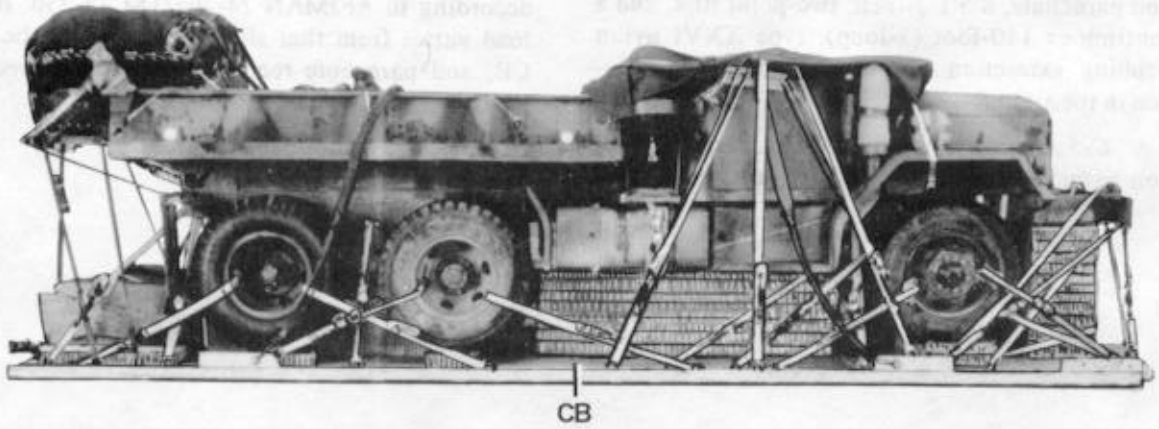
c. C-5 Aircraft. Place a 28-foot cargo extraction parachute and a 5 1/2-inch, two-point link assembly on the load for installation in the aircraft. See FM 10-500-2/TO 13C7-1-5 for extraction line requirements.

7-16. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 7-23. Complete Shipper's Declaration for Dangerous Goods and securely attach it to the load. Indicate on Shippers Declaration for Dangerous Goods that the vehicle fuel tank and the batteries have been prepared according to AFJMAN 24-204/TM 38-250. If the load varies from that shown, the weight, height, CB, and parachute requirements must be recomputed.

CAUTION

Make the final rigger inspection required by FM 10-500-2/TO 13C7-1-5 before the load leaves the rigging site.



RIGGED LOAD DATA

Weight:	Load shown	19,340 pounds
	Maximum load allowed	20,000 pounds
Height		95 inches
Width		108 inches
Length		288 inches
Overhang:	Rear	0 inches
	Front	0 inches
CB (from front edge of platform)		146 inches
Extraction System (adds 18 inches to length of platform)		EFTC

Figure 7-23. M342A2 truck rigged on a type V platform for low-velocity airdrop

7-17. Equipment Required

Use the equipment listed in Table 7-1 to rig this load.

Table 7-1. Equipment required for rigging M342A2 dump truck on a type V platform for low-velocity airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-00-003-4389	Bar, attitude control	1
5306-00-543-5571	Bolt, machine, 3/8- by 2-in	2
4030-00-090-5354	Clevis, suspension, 1-in (large)	5
8305-00-242-3593	Cloth, cotton duck, 60-in	As required
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5782	Coupling, airdrop, extraction force transfer w 24-ft cable	1
1670-00-360-0328	Cover, clevis, large	1
1670-00-360-0329	Cover, link, type IV	12
8135-00-664-6958	Cushioning material, packaging, cellulose wadding	As required
8305-00-958-3685	Felt, 1/2- by 18- by 18-in	As required
1670-01-183-2678	Leaf, extraction line (line bag)	2
	Line, extraction, type XXVI nylon webbing:	
1670-01-062-6313	60-ft, (3-loop)	1
1670-01-107-7651	140-ft, (3-loop)	1
	Link assembly:	
	Two-point, 5 1/2-in:	1
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in	(2)
1670-00-003-1954	Plate, side, 5 1/2-in	(2)
5365-00-007-3414	Spacer, large	(2)
1670-00-783-5988	Type IV	12
	Lumber:	
5510-00-220-6146	2- by 4- by:	
	16-in	8
	24-in	2
	55-in	1
	82-in	2
5510-00-220-6148	2- by 6- by 33-in	4
5510-00-220-6248	2- by 10- by 82-in	2
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-010-4662	12d	As required

Table 7-1 Equipment required for rigging M342A2 dump truck on a type V platform for low-velocity airdrop (continued)

National Stock Number	Item	Quantity
1670-00-753-3928Pad	energy-dissipating, honeycomb, 3- by 36- by 96-in	15 sheets
1670-01-016-7841	Parachute, cargo, G-11B	4
1670-00-040-8135	Parachute, cargo extraction, 28-ft	1
	Platform, AD, type V, 24-ft:	
	Bracket:	
1670-01-162-2375	Inside EFTA	1
1670-01-162-2374	Outside EFTA	1
1670-01-162-2372	Clevis assembly (type V)	40
1670-01-162-2376	Extraction bracket assembly	1
1670-01-162-2389	Suspension link	4
1670-01-162-2381	Tandem Link (multi-purpose)	2
5530-00-128-4981	Plywood, 3/4- by:	
	12- by 18-in	3
	12- by 30-in	1
	12- by 36-in	2
	12- by 60-in	3
	12 1/2- by 82-in	2
	16- by 82-in	1
	18- by 18-in	2
	33- by 82-in	1
	43- by 18-in	1
1670-01-097-8817	Release, cargo parachute, M-2	1
	Sling, cargo airdrop:	
	For deployment line:	
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing	1
	For lifting:	
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	1
1670-01-062-6307	12-ft (4-loop), type XXVI nylon webbing	2
1670-00-432-2507	16-ft (4-loop), type XXVI nylon webbing	2
	For riser extension:	
1670-01-062-6302	20-ft (2-loop), type XXVI nylon webbing	12
	For suspension:	
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	4
1670-00-040-8219	Strap, parachute release, multicut comes w 3 knives	2

Table 7-1. Equipment required for rigging an M342A2 truck on a type V platform for low-velocity airdrop (continued)

National Stock Number	Item	Quantity
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tiedown assembly, 15-ft	As required
	Webbing:	
8305-00-268-2411	Cotton, 80-lb	As required
8305-00-082-5752	Nylon, tubular, 1/2-in, 1,000-lb, natural	As required
8305-00-263-3591	Nylon, type VIII, 3,600-lb	22 yd